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DoD's WAR ON HAZARDOUS WASTE

Volume 3: Identifying Specifications That Require the Use of Hazardous Substances

Report PL107R1

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In this study, we demonstrate that the process of locating references to hazardous materials in standardization documents can be simplified greatly by using existing computerized data handling systems. As a first step, we conducted an automated search of DoD and Federal standardization documents for references to 132 hazardous materials that fall into one of the U.S. Environmental Protection Agency's 17 priority toxic chemical categories. We limited our search to document headings, subheadings, and titles; we did not search the entire text of the documents.

We found that almost 1,500 documents, or about 2.1 percent of all DoD and Federal standardization documents on file, refer to one or more of the 132 hazardous materials. Based on our work with a sample of documents, we estimate that searching the entire text of every document would increase the number of references to about 2.6 percent. About 40 percent of the references require the use of hazardous material; 27 percent identify tests for or with the material; and 13 percent allow the use of the material as an option. In addition, we found 200 documents (14 percent) that specifically prohibit the use of one or more of the hazardous materials. Listings of standardization documents referring to chemicals are provided.

We recommend more sophisticated review approaches and the provision of more information on nontoxic alternatives for program managers.

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Additionally, Ms. Dianne Sobers deserves extensive recognition for her role in performing most of the data base search. Her continual accuracy in finding and assessing the meaning of references in the specification outlines during days spent staring at a computer screen demonstrated tremendous stamina and dedication.

PREFACE

This is the third volume in a series of reports prepared to assist the Department of Defense in its efforts to reduce its use of hazardous materials. In Volume 1, *DoD's War on Hazardous Waste: Measuring Hazardous Waste Reduction,* we reviewed the data resources available, and the data collection problems, in attempting to gain management oversight of hazardous waste at a major Defense industrial facility. In Volume 2, *DoD's War on Hazardous Waste: An Indexing System for Measuring Hazardous Waste Reduction,* we evaluated the feasibility and potential problem of establishing a common hazardous waste data collection and analysis process for all Defense industrial facilities.

Those studies addressed management efforts to control the hazardous waste produced in Defense industrial plants. This report begins to consider how DoD can avoid having to deal with the hazardous waste problem in the first place, by reducing its intake of hazardous materials.

Executive Summary

DoD's WAR ON HAZARDOUS WASTE

Volume 3: Identifying Specifications That Require the Use of Hazardous Substances

Reducing hazardous waste in the Department of Defense can best be accomplished by eliminating the sources of waste: the products containing hazardous materials or requiring hazardous materials for their manufacture or use. Every year, DoD purchases thousands of products, from paint to combat aircraft, that actually contain hazardous materials or require their use. As a result, DoD generates an enormous volume of hazardous waste that is costly to dispose of and poses the potential of severe environmental risks. Companies that manufacture the products face similar costs and risks in storing, treating, and disposing of hazardous waste. In addition, because of the size of DoD procurements, many companies use DoD specifications for all their commercial products, thus extending the hazardous waste problem even further.

The statement of the problem can be reversed: to the extent that DoD specifies the use of nonhazardous materials, a tremendous environmental benefit may be derived. To achieve this, DoD has started to review its standardization documents – specifications, standards, and handbooks – in an effort to eliminate unnecessary requirements for the use of hazardous materials in the products it purchases. This is a big undertaking, given that over 70,000 DoD and Federal standardization documents currently exist. Just searching that many documents to identify those that refer to hazardous materials could be a monumental job.

In this study, we take the initial steps in locating references to hazardous materials in standardization documents by using existing computerized data handling systems. As a test of the process, we conducted an automated search of DoD and Federal standardization documents for references to 132 hazardous materials that constitute the U.S. Environmental Protection Agency's 17 priority toxic

chemical categories. We limited our search to document headings, subheadings, and titles; we did not search the entire text of the documents.

We found that almost 1,500 documents, or about 2.1 percent of all DoD and Federal standardization documents on file, refer to one or more of the 132 hazardous materials. Based on our work with a sample of documents, we estimate that searching the entire text of every document would increase the number of references to about 2.6 percent. About 40 percent of the 1,500 references that we found require the use of hazardous materials; 27 percent identify tests for or with such materials; and 13 percent allow the use of materials as an option. In addition, we found 200 documents (14 percent of the 1,500 references) that specifically prohibit the use of one or more of the hazardous materials.

Based on these findings, we recommend that the Deputy Assistant Secretary of Defense (Environment)

- sponsor research and development efforts to identify acceptable alternatives to hazardous materials, including the designation of a clearing-house for such information
- expand the search of standardization documents for additional hazardous materials, and investigate references to generic industrial processes, such as brazing, that require the use of hazardous materials
- review standardization documents periodically, using an automated process, to ensure that unnecessary requirements for the use of hazardous material are being eliminated.

Additionally, we recommend that the Deputy Assistant Secretary of Defense (Production Resources)

- encourage the preparing activities responsible for the Federal and DoD standardization documents to review and modify, as appropriate, all documents with references to the 132 hazardous materials belonging to the Environmental Protection Agency's 17 toxic chemical categories
- sponsor the development of a software enhancement package for use with word-processing systems so that hazardous materials in the standardization documents will automatically be identified as the documents are prepared
- sponsor an effort to convert the full text of all active DoD standardization documents to searchable files in partnership with a private-sector firm to help defray the costs.

CONTENTS

CHAPTER 1

THE DEMAND FOR HAZARDOUS MATERIALS

THE SIZE OF THE DEMAND

By any criterion, the Department of Defense is a major user of hazardous materials and a major contributor to the national inventory of hazardous waste. This is an inevitable byproduct of being one of the nation's largest industrial concerns as well as having widespread operations using inherently dangerous weapon systems.

However, the vast majority of DoD's hazardous materials and their hazardous wastes are generated by activities other than use or disposal of ordnance. Hazardous materials and wastes are found in the military industrial facilities engaged in the routine production or repair of military materiel, as well as in the facilities where, through contracts or in-house production, DoD produces even more innocuous items such as tents, socks, and canned foods. DoD is interested in making sure that daily work and training areas pose no avoidable risk to the uniformed and civilian employees and dependents working and living nearby. DoD has launched several initiatives over the past few years to reduce the amount of hazardous materials it uses.

Nonetheless, the DoD disposes of over 130 million pounds (over 60,000 metric tons) of hazardous wastes every year.[1] In fact, this figure represents a significant reduction from just 3 years earlier, when almost twice that amount was produced. Although major efforts are under way in every Service to reduce the amount of waste that must be disposed of, currently available control technology has finite limits to its ability to treat, recycle, or compress the waste that is produced. These remedies attempt to deal with the waste after it has been produced – known as an "end of the pipe" strategy. DoD has therefore undertaken to reduce the amount of hazardous material being brought onto the installations in the first place, thereby reducing the need for waste treatment.

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[1]Data supplied to OSD by Military Services in 1990 data call, cited in LMI Report PL907R3, *DoD's War on Hazardous Waste, Volume 2: An Indexing System for Measuring Hazardous Waste Reduction*, Douglas M. Brown, February 1991.

Unseen in the quantities reported above are the extensive requirements placed on private manufacturing firms to use hazardous materials in the production of items to meet DoD demands. This creates an even larger impact. Five percent of the gross national product goes into defense expenditures, of which approximately one-half goes to DoD salaries and operating expenses. The rest buys goods and services from the private sector. Whether billions of dollars for combat aircraft or a few pennies for pencils, every dollar that is spent is designated for a product that is made to DoD's very exacting standards.

In many cases, those standards require use of hazardous materials in the production of an item, in the item itself, or for the life-cycle maintenance of the item. Thus, DoD, through its procurement specifications and maintenance and operations documents, requires itself to use hazardous materials. In addition, DoD's appetite for private-sector products is large enough that a vendor often finds it convenient to manufacture all or most items to meet DoD's standards against the possibility of future sales or to avoid having to maintain two production lines for the same product. As a result, DoD generates enormous amounts of hazardous waste by mandating the use of hazardous materials and multiplies this effect by indirectly influencing the private sector's non-DoD business.

SPECIFICATIONS AND STANDARDS: THE SOURCE OF THE DEMAND

The DoD design and performance requirements for the products it buys are published in a range of documents that include specifications, standards, technical documentation and drawings, maintenance orders, and military qualified products lists. For this report, we will refer to these as "standardization documents." In addition to these formal standards, unique requirements for any delivered product are often established by the specific provisions of individual contracts. In the interest of consistency, we will also include those provisions under the term "standardization documents."

When the need for a new or modified product is established by DoD, the product is placed under the control of a project manager or a line-item manager. That manager becomes responsible for the development of the product from the initial concept, through its production and its useful life cycle, to its ultimate disposal as waste material. Responsibility for the product brings with it at least partial

responsibility for the actions that must be taken to dispose of waste generated by the production and maintenance processes.

In order to ensure the delivery of a satisfactory product and to encourage competitiveness between vendors based on a common understanding of the required product standards, each distinguishable segment of the product is specified in as much detail as possible by reference to a standardization document. These documents provide information on the function of the item, how it will be manufactured, how it will operate and under what conditions, and its performance requirements. In addition, the document may identify things that it must *not* be or do.

As a rule, standardization documents for a new product are based on existing documents. To the extent that they have provided successful products in the past, and the private sector is familiar with the production processes and standards they specify, the use of existing documents as a model ensures a technically acceptable product at a competitive rate. However, this practice also perpetuates previous errors which may not have been seen by the item manager, or may not have been considered as within the item manager's area of interest. The result is continuation of potential hazardous waste releases or perpetuation of worker health and safety issues.

CONTROLLING THE DEMAND

As a result of this procurement approach, DoD environmental managers have realized for some time that improving the control of hazardous materials after they have been brought onto an installation can only achieve a certain level of reduction in the use and disposal of hazardous materials. After that, elimination or reduction of hazardous wastes can only be improved by not using such hazardous materials in the first place.

A Hazardous Materials and Pollution Prevention Committee (HMPPC) has been established within DoD. At an early meeting, this committee voiced its concern that military acquisition requirements were a source of subsequent pollution events. During 1989, national priorities and agreements such as the Montreal Protocol addressed hazardous materials, particularly chlorofluorocarbons (CFCs) and halons. A Defense Management Review Decision highlighted these issues; the supporting study reported that the problem was caused in part because standardization

documents continued to require the use of these substances. The HMPPC then adopted the review of standardization documents as a major item on the agenda for the Military Services' annual reports through the HMPPC to the Defense Acquisition Board. [This review is specifically required in DoD Directive (DoDD) 4210.15.][2]

The same concerns arose during the 1990 Defense and the Environment Initiative forum in which DoD met with representatives of the private sector, regulatory agencies, and interest groups to identify key environmental areas to which DoD should direct more emphasis. And, finally, the practice of mandating hazardous materials in standardization documents was raised by the Military Services recently during the Defense Environmental Management Study conducted by the Office of the Deputy Assistant Secretary of Defense (Environment) [ODASD(E)].

The U.S. Environmental Protection Agency (EPA) has also taken an interest in a nationwide effort to reduce hazardous waste. The first phase in their program is the Industrial Toxics Project (ITP).[3] Under the ITP, EPA has selected 17 toxic chemicals that it views as posing significant health and safety problems, and has solicited manufacturing organizations to sign up for a campaign to reduce their use or release to 50 percent of 1988 levels by 1995. DoD supports that initiative and has integrated it into its ongoing efforts. Because DoD has already traveled a long way down that path, further reductions must begin to address the source as well as the endpoint of the production process.

DISINCENTIVES TO USE SUBSTITUTES

As a reaction to charges that DoD was paying exorbitant prices for common off-the-shelf items such as hammers and toilet seats, item managers and project managers have received authority to waive an item called for in a standardization document in favor of another more acceptable item. This authority can be used to avoid hazardous materials. Some standardization documents have been written to permit the use of the tried and known material "or suitable alternative." There are three drawbacks to this practice, however.

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[2]DoDD 4210.15, *Hazardous Materials Pollution Prevention*, July 27, 1989.

[3]The project has been retitled *33/50 Project* by EPA to emphasize the reduction goals established; however, DoD had already initiated actions under the original title and we have retained that usage in this report.

First, the use of alternatives is not always spelled out in the documents used by operating installations as clearly as in the technical instructions for production facilities. This is important because the use of hazardous materials occurs at operating installations as well as in the initial production facility. At operating installations, where the project manager's directive may not have been incorporated into technical manuals in its original form, authority to use nonhazardous substances may not have been communicated. Further, the user may not be technically qualified to select a "suitable alternative" or may face local pressure to follow "the book"; thus, the incentive at the local level is to use the specified material rather than an available alternative.

Second, there is little incentive for a commercial producer to introduce a nonhazardous substitute material. Under current procurement practices, the identification and selection of a suitable alternative generally rests with the vendor, and is done at the vendor's expense. The vendor is then faced with proposing a product that may be unfamiliar to the item manager or project manager and that offers no substantial technical advantage; competitors who rely on the traditional product may well win the contract on that basis alone. Again, the incentive is to stay with the traditional process.

Finally, there is no assurance that the item managers can identify acceptable substitutes, even if they are indeed available in the private sector. This may happen for two reasons: the manager may be unaware of the entire spectrum of alternatives or the manager may be averse to risk and decide to stay with the known quantity. This is understandable, especially in the case of inherently dangerous operational items: if an ejector seat system has been proven to work, tampering with it to replace environmentally hazardous components incurs the risk that pilots may be injured or killed if the substitute material proves to be inadequate or ineffective. For any proposed substitution, the item manager or project manager would have to fund extensive tests to ensure that system performance is not unacceptably degraded.

Thus, we see that systematic resistance to adopting substitute materials is caused by a general lack of knowledge about the existence or effectiveness of these materials. Users are not told what substitutes are acceptable, vendors have no incentive to invest in substitute research, and item managers may not be aware of the existence of those substitutes that have been developed. Given that military items may be very complex, the manager would need extensive support resources just

to keep track of materials that might be useful. Since these project managers are also under financial constraints, they have no incentive to sponsor research into the availability or suitability of substitutes: DoD will have to provide the funds for such research if it is to happen. In addition, OSD should serve as a channel through which existing problems with the use of hazardous materials can be made known so that the private sector can consider alternatives, demonstrate their usefulness, and inform project managers that these alternatives exist.

SCOPING THE PROBLEM

As a first step, ODASD(E) has decided to identify those standardization documents which do in fact call for the use of hazardous materials. Armed with that information, project managers could be asked why less hazardous alternatives could not be used. In fact, the Defense Standardization Programs Office (DSPO) [at the time, known as the Defense Quality Standards Office (DQSO) and located with the Office of the Deputy Assistant Secretary of Defense (Logistics) [ODASD(L)]] initiated such a process in a search for standardization documents calling for the use of CFCs, halons, and asbestos. They found some 500 documents required CFCs and halons and 100 required asbestos. That search required reading the complete text of the available documents.

There are tens of thousands of standardization documents. It is not clear if anybody can establish the exact number, since each preparing agency manages its own documents; however, existing data bases include over 70,000 active standardization documents and 170,000 inactive ones that may still be referred to. The CFC and halon review was an expensive, labor-intensive project. Since the complete list of EPA-regulated materials includes over 3,000 separate chemicals, which have a total of 7,000 additional synonyms and trade names, repetition of such a task was impossible. The ODASD(L) hoped to search an automated data base of standardization documents to identify requirements for regulated substances. However, neither the list of substances nor the data base of standardization documents existed in suitable form.

The Logistics Management Institute (LMI) was asked to conduct a more limited search of existing data sources that would still be effective in identifying standardization documents that call for the use of hazardous materials. Shortly after that process was initiated, the EPA announced the IT Project; it was decided to use

the EPA's 17 toxic chemicals (which with their synonyms comprise 650 chemical names) as a test case to allow us to determine the value of this approach on a small set (6 percent) of all the hazardous materials. If the effort were fruitless, we would avoid the high cost of searching for all 11,000 substances (including synonyms). This approach also allows DoD to support the EPA initiative by reporting on the standardization documents that reference the 17 priority chemicals while, as part of its larger and ongoing pollution prevention efforts, continuing the data search for the remainder of the substances.

FUTURE DIRECTIONS

In recent years, DoD has begun to use "performance" specifications rather than materials specifications. Performance specifications identify the results desired from a particular product, such as "remove ____ microns of paint from a smooth metallic surface in ____ minutes," rather than specify the composition of a chemical paint stripping compound. As that effort expands, DoD will be less able to identify its demands for hazardous materials through the standardization documents because the materials will no longer be mentioned in the documents. As this process develops, then, DoD must seek more sophisticated methods of cross-referencing hazardous materials usage through more indirect paths; the current DoD effort to trace hazardous materials through Material Safety Data Sheets to national stock number items is a good example of the kind of thinking that will be required to ferret out hazardous materials in the future.

For the present, however, our simpler, more direct and inexpensive approach has resulted in an extensive listing of specifications that *do* allow the use of hazardous materials.

This report describes our findings. In Chapter 2, we summarize the references that were found, and we explain how the search was conducted, how the standardization documents were categorized, and some limitations of the search process. In Chapter 3, we present our conclusions and recommendations. The appendices identify the materials that were searched for and the standardization documents which call for the use of those materials.

CHAPTER 2

IDENTIFYING HAZARDOUS MATERIALS

In our review of standardization documents to identify those that mandate the use of hazardous materials, we found that the references fell into seven basic categories.

- *Requirement*: The document requires the use or presence of the material in the item being described or in the process specified for its manufacture. This category could include military drawings used as standardization documents if there are no Military/Federal specifications/standards.

- *Tests for hazardous materials*: The standardization document requires a test for the presence of no more than a maximum amount of the hazardous material. Nonetheless, the material is permitted in the product or the process.

- *Test with hazardous materials*: The material is not a part of the product nor its manufacture, but instead is required as an agent in tests and evaluations of the end product. If available, alternative testing media would be desirable.

- *Optional use*: The document discusses the use of a hazardous material as one of several alternatives apparently authorized for the same application. If the alternatives are also hazardous, we have categorized the document as requiring the use of hazardous materials, since we are interested in the total document rather than any one material. However, because of the limited detail available in document outlines, we expect that some standards will have been assigned to this category rather than to the "Requirement" category.

- *Prohibition*: The document specifically requires that the material is not to be used.

- *Reference (military handbook)*: The document is a military handbook or other text providing data for hazardous materials themselves, or equipment and processes in which hazardous materials may be referenced. The document does not, however, require use of such material. This listing is

useful because wherever this kind of handbook is referenced in another document, we can assume that hazardous material is required in that document.

- *Unknown*: In some cases, the outline of the document is so general that it cannot be assigned to any category.

Clearly, in each of these categories, different actions (or, in some cases, no actions) are appropriate. Table 2-1 shows the number of standardization documents falling into each category. Appendix B lists the reference documents and military handbooks; Appendix C lists the documents in most other categories; and Appendix D lists documents which prohibit the use of the toxic chemicals.

TABLE 2-1

STANDARDIZATION DOCUMENT REFERENCES BY CATEGORY

Category	Number	Percentage
Requirement for hazardous materials	591	40
Tests for hazardous materials	246	16
Tests with hazardous materials	158	11
Optional use	195	13
Prohibition	202	14
Reference (military handbook)	81	5
Unknown	22	1
Total	1,495	100

Table 2-2 shows the number of valid references for each of the EPA's 17 families of substances; the documents are listed in detail in Appendices B through D. The major source of requirements is lead, a common item in munitions manufacturing. The family of decorative metals – cadmium, chromium, and nickel – account for the bulk of the other requirements because of their extensive use in plating finishes. However, because the references do not indicate the quantity of the hazardous materials required, it would be inappropriate to assume that any one of these toxic chemicals is more heavily represented than others.

In addition to showing the materials most frequently referred to, we have identified the distribution of references by preparing activity. That information is

TABLE 2-2

ITP CHEMICALS BY CATEGORY

ITP chemicals	Require-ment	Test for	Test with	Optional use	Prohibi-tion	Reference (military handbook)	Unknown	Total
Benzene	16	27	16	2	0	6	5	72
Cadmium and compounds	107	5	6	63	4	6	4	195
Carbon tetrachloride	3	8	6	2	0	1	0	20
Chloroform	5	9	14	1	0	1	0	30
Chromium and compounds	58	18	3	38	0	5	0	122
Cyanide and compounds	5	2	3	0	0	3	0	13
Dichloromethane	2	4	3	0	0	2	0	11
Lead and compounds	264	129	7	16	13	24	7	460
Methyl isobutyl ketone	2	0	0	0	0	2	0	4
Methyl ethyl ketone	0	0	0	0	0	3	0	3
Mercury and compounds	48	10	83	5	185	11	1	343
Nickel and compounds	64	11	5	64	0	10	1	155
Tetrachloroethylene	3	0	0	1	0	0	0	4
Toluene	4	12	3	0	0	2	0	21
Trichloro[a]	4	4	5	3	0	3	2	21
Xylenes	6	7	4	0	0	2	2	21
Total	591	246	158	195	202	81	22	1,495

Note: In counting the number of documents by chemical, we had to assign a document to a single chemical in the *222* cases where a document referenced more than one chemical.

[a] This category includes both trichloroethylene and 1,1,1 – trichloroethane; because of the similarity of the names, we searched the data base for both together.

summarized in Table 2-3; the detailed listings are in the appendices. This is done not to single out any activities as somehow "doing better" than others, but in an effort to identify the product types which may be most in need of research and development funding support for the identification of nonhazardous substitute materials.

The largest number of references were prepared by the Defense Industrial Plant Equipment Center (Code IP); however, almost all are prohibitions. The remainder of the references to hazardous materials are spread fairly evenly among some three dozen other preparing activities, with the numbers in each representing a Military Service's preference for centralization or dispersal. For instance, one large Navy organization (Code AS) accounts for 50 requirements (the first column of numbers in

TABLE 2-3

REFERENCES TO HAZARDOUS MATERIALS BY PREPARING ACTIVITIES

Activity code	Preparing activity[a]	Require-ment	Test for	Test with	Optional use	Prohibi-tion	Reference (military handbook)	Unknown	Total
11	AFSC	10	2	3	2	0	1	0	18
12	AFSC	1	0	0	0	0	0	0	1
17	AFSC	2	0	0	0	0	0	0	2
19	AFSC	1	0	0	0	0	0	0	1
25	AFLC	0	1	0	0	0	0	0	1
68	AFLC	0	2	1	1	0	0	1	5
70	Ogden ALC	3	0	0	0	0	0	0	3
71	OKC ALC	12	0	0	6	1	0	0	19
80	Sacramento ALC	2	0	0	1	0	0	0	3
82	San Antonio ALC	11	0	3	7	1	0	0	22
84	Warner Robins ALC	2	2	1	4	0	1	0	10
85	AFLC	9	0	0	2	0	0	1	12
AL	AMCCOM	0	0	0	0	4	0	0	4
AM	AMC	0	0	0	0	0	1	0	1
AR	AMCCOM	193	65	78	33	0	1	2	372
AS	NAVAIR	50	13	5	13	0	5	1	87
AT	TACOM	11	2	1	6	0	2	2	24
AV	AVSCOM	3	0	0	0	0	0	0	3
CG	Coast Guard	4	1	0	0	0	0	1	6
CR	CECOM	2	1	0	3	0	1	0	7
CS	DCSC	0	0	1	0	0	0	0	1
DM	DPSL	10	6	3	11	0	1	1	32
DS	DNA	1	0	0	0	0	0	0	1
EA	CRDEC (APG)	17	14	9	8	0	20	1	69
EC	SPAWAR	9	2	0	8	1	1	0	21
ER	Army Lab. Cmd.	9	0	0	1	0	2	0	12
ES	DESC	2	0	0	0	0	0	0	2
FSS	GSA	4	6	0	6	6	0	1	23
GL	Natick (Army)	43	12	16	26	0	1	2	100
GS	DGSC Richmond	1	0	0	0	0	0	0	1
IN	Inst. Heraldry	3	0	1	7	0	0	1	12
IP	DIPEC Memphis	2	1	0	1	165	0	0	169
IS	DISC	1	0	0	0	0	0	0	1
MB	DMSB (Detrick)	3	4	0	4	0	0	0	11
MC	USMC	1	2	1	0	0	0	0	4

[a] Definitions/full designations of the preparing activities can be found in Appendix E.

TABLE 2-3

REFERENCES TO HAZARDOUS MATERIALS BY PREPARING ACTIVITIES (Continued)

Activity code	Preparing activity[a]	Require-ment	Test for	Test with	Optional use	Prohibi-tion	Reference (military handbook)	Unknown	Total
MD	Army Surgeon General	0	0	1	0	0	0	0	1
ME	Belvoir R&D Center	19	34	4	10	1	4	0	72
MI	MICOM	4	4	2	1	0	7	0	18
MP	DMA	0	0	1	0	0	0	0	1
MR	Material Tech. Lab.	8	5	7	2	0	5	1	28
NA	NASA	0	0	0	0	0	2	0	2
NU	Natick (Navy)	1	0	0	0	0	0	0	1
OS	NAVSEA	30	11	5	4	0	0	0	50
PS	DFSC	0	0	0	0	0	1	0	1
SA	NAVSUPP	1	1	0	0	0	1	0	3
SC	Army-INSCOM	0	0	0	0	0	0	0	0
SH	NAVSEA	51	22	10	10	21	6	2	122
SM	AMC	0	0	0	0	0	1	0	1
TD	NAV TRAIN SYS CTR	1	0	0	0	0	0	0	1
TE	TECOM	0	0	0	0	0	0	0	0
YD	NAVFAC	7	7	1	2	1	4	0	22
Un-known[b]		47	26	4	16	1	13	5	112
Total		591	246	158	195	202	81	22	1,495

[a] Definitions/full designations of the preparing activities can be found in Appendix E.

[b] The IHS data base contained some unknown preparing activities.

Table 2-3); similar Air Force systems responsibilities for specifications are spread among 12 preparing activities (Codes 11 to 85) which collectively account for 53 requirements.

Again, the lack of information on the specific requirements makes it impossible to determine where the priority should be directed. The general dispersion of references among a large number of preparing activities indicates that the best approach to the review of the standardization documents would be to require that each preparing activity (rather than any key group) review the documents (listed in Appendix C) for which it is responsible.

RESEARCH BACKGROUND

The research process was driven largely by two considerations. The output had to be tailored to the availability of the data, and the depth of research was constrained by the time and labor effort considered to be appropriate for the project. The process was structured to provide ODASD(E) with a rapid and inexpensive listing of standardization documents for review and, as a byproduct, an assessment of the value of the process.

Data Sources

Lists of regulated hazardous substances are contained in 40 Code of Federal Regulation. In recent months, EPA has decided to reduce the inconsistencies caused by the overlapping and contradictory lists and nomenclatures for these regulated substances and is developing an automated "Register of Lists" to cross-reference the substances between different environmental regulations. Because of the very large effect DoD operations have on hazardous waste volumes nationwide, EPA allowed LMI to use the preliminary version of the data bases supporting their Register of Lists to test their value. Because that register had not gone through final quality control review, there may be some errors or omissions in the lists shown in Appendix A of this report.

The official DoD data base for standardization document information resides at the Navy Publications and Forms Center (NPFC) in Philadelphia, Pa. In addition to publishing periodic listings and mailing out notices and advisories as necessary, that office maintains the *Department of Defense Index of Specifications and Standards* (DODISS) on an ORACLE™ data base.[1] The data base lists all current standardization documents, with a limited amount of information on each. It has search capabilities, but the lack of detailed information in the data base makes it unsuited to our purpose. Although some preparing agencies are attempting to enter the complete texts of the documents under their control into an automated searchable format, the NPFC is not. Neither does NPFC have any provisions for external communications with their computer system, thereby making it impossible to conduct any kind of search of the NPFC data base from DoD facilities.

[1]ORACLE™ is a product of the Oracle Corporation, Redwood Shores, Calif.

Because DoD requirements are extremely important to many commercial concerns, we were not surprised to find that in the absence of an effective DoD system, the private sector has stepped in. In fact, the DSPO itself is using a commercial data base for the standardization documents. To maintain consistency with DSPO capabilities, we selected the Information Handling Systems (IHS) DODISS™ product, although we should emphasize that there are others on the market. IHS offers several levels of service. IHS can search its own data bases for specific items and produce a text report, an option which we considered for this task, but discarded because we needed analysis of the context of the word matches. IHS has an indexed data base which contains the DODISS system, but enhances it by adding "outlines" of documents. While those outlines are advertised as being paragraph outlines, suggesting topic sentences, in fact they are simply the paragraph numbers and headings, like a table of contents. Finally, IHS has scanned the complete text of the documents into the data base. The text pages appear on the computer screen and can be printed out; however, each "page" is merely a graphic image that allows for no word search within the document text. Therefore, we were forced to select the DODISS Outlines product as the only searchable data set.

In the course of this assessment of the data, we were told that some preparing activities have started to convert their standardization documents into automated form. But the process is moving slowly, as documents are updated, and only at activities that have decided to do it. The alternative is for centrally directed conversion. This conversion could be accomplished by requiring all preparing activities to deliver their documents in electronic, readable form to NPFC by a certain date; by paying one of those commercial concerns which now have the graphics image files to make the conversion; or by opening up the process to vendors prepared to make a labor-intensive conversion by typing all the standardization documents into word-processing files (a process in which current vendors could participate if they wished). The commercial demand for readable files is not great enough to convince the current vendors to make this investment on speculation; DoD could provide a sufficient subsidy to make the task worthwhile. We estimate that the task could be performed by one of several vendors, who would probably perform the work offshore, at a cost of around $500,000 for the active documents. DoD may be able to strike an agreement with current data base vendors to subsidize some part of this conversion with the vendor picking up the remainder as part of a contractual

arrangement through which the vendor becomes the repository for the documents for a specified period.

If any conversion is attempted, care should be taken to ensure conformity to Computer-aided Acquisition and Logistic Support (CALS) standards, particularly with regard to MIL-M-28001.[2]

Research Design

As noted in Chapter 1, the standardization document search process was pioneered by the DSPO (at that time, DQSO) in a manual search for references to CFCs, halons, and asbestos. That time-consuming, labor-intensive search was expensive both in absolute cost and in the opportunity cost of the participating staff's time. Nonetheless, with only a few substances, such a search can be conducted quite simply (and more cost effectively) by having relatively untrained people sit down and read through the documents to search for the specified words. That approach is subject to a number of limitations. First, the probability of missing a reference is high. Next, the entire library of documents must be assembled so that we can be sure that all documents have in fact been checked. There is no central repository of standardization documents, although the DSPO has many in a microfiche library (itself provided by IHS). But there is no way of ensuring that all are there, and even if they were, the researchers would have to bring their own fiche readers to avoid holding up DSPO's routine work. The biggest problem of all, however, is that no one reader can remember all 11,000 substance names. Thus, each reader must be assigned a subset of the substances and read all the standardization documents; or each reader can be assigned a few documents and then compare any word that appears to be a hazardous material against the list of 11,000 possibilities. Clearly, that is a monumental task.

The more modern approach to this problem would be to load the list of regulated materials into a data base and then use it in essence as a "spell-checker" against the standardization document files. Unfortunately, most documents predate the personal computer era and do not exist in automated form; the few examples of automated standardization documents we found consisted of graphic images of the

[2]For further information, see LMI Report PL811R1, *DoD's Technical Information Publishing: A Strategy for Evolution*, Kenneth W. Lindstrom, Frank Gilbane, and James E. Giles, III, February 1991.

document pages. The computer sees each page as a unified picture and is unable to scan through the picture to find specific text.

Our approach is based on an Assistant Secretary of Defense (Production and Logistics) [ASD(P&L)] document proposing an automated review of standardization documents.[3] That study recommended using the IHS product and comparing it in automated form to a data base of the list of regulated substances. Because of the size of the task, our initial concept was to link the list of substances to the standardization documents data base electronically and let the computer do the searching and reporting in a much more cost-effective and rapid way. In the rest of this chapter, we describe why that approach is not feasible today and what we did about it.

EXECUTION

Assembling the Data

The Register of Lists, as presently being formatted by the EPA, is part of a CLIPPER™ compiled system.[4] The entire system, which is intended to provide reference to a particular chemical and identify which regulation caused it to be placed on the list, is viewed as a proprietary tool by the contractor preparing it. However, the lists themselves were assembled by the EPA, and since the user interface system was of no value to us in this project, we were given permission to detach the EPA-provided data bases from the interface programs. The end result was a list of over 3,600 regulated materials and another list of over 7,400 frequently used synonyms for those primary chemical names. The reduction of those data bases to the 17 families of chemicals targeted by the EPA resulted in the identification of 132 primary chemicals and over 500 synonyms. Those chemicals and synonyms are listed in Appendix A.

An initial effort was made to cause the data bases to work together. We soon learned that although some compact disk-read only memory (CD-ROM) data bases can be read directly, IHS has used a data-compression format which makes such direct access impossible. IHS was most interested in our project and is considering including a more flexible user language for future upgrades of its system; but that would not be available in the near future. We considered a multitasking approach to

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[3]*Hazardous Materials Search of Department of Defense Specifications and Standards*, Office of the Assistant Secretary of Defense (Production and Logistics) publication SD-X, undated (circa 1990).

[4]CLIPPER™ is a product of the Nantucket Corporation, Nantucket, Mass.

bring both DODISS and a conventional data base onto the screen at the same time and then to move on-screen references from the DODISS file across to the data base. Unfortunately, windowing software still has a number of limitations, and the use of windows within DODISS created some difficulties that even the best of the windowing software we tried could not overcome.

Our solution, then, was to search the IHS data base for the listed target chemicals and their synonyms through the IHS search routine. This required typing chemical names as keywords to initiate the search. While this was more time consuming than a fully automated search, it was still considerably more effective than actually reading the documents. We then loaded all references into separate files, which we "tagged" with the identity of the chemical that had generated the word match. At this point, the rigidity of the IHS query set became an obstacle, because although one could review individual standardization documents in the match list, they could not be marked immediately for selection or rejection: the program saves all references or none, with no provision for a comment field. As a result, matching and evaluating were performed sequentially rather than simultaneously.

Assessment of the Quality of the Data Base Search

The list of positive references needed to be as accurate as possible to avoid requiring preparing activities to review documents that in fact make no reference to hazardous materials. In reviewing the results of the data search, we were left with three concerns: (1) How well did we handle the documents that we did locate? (2) How many documents did we locate that did *not* in fact refer to hazardous materials? and (3) How many of the documents referring to hazardous materials did we in fact locate?

Accuracy of the Matches and Categorization

Given the constraints posed by the limited detail in the outlines and the possibility of an inappropriate matching or categorization, we needed to assess the ability of researchers to discern the context of the reference (within a very limited outline) in order to categorize the documents properly.

We examined the complete texts of over 200 of the standardization documents found by the data base search process, greater than a 10-percent sample. These texts

were selected by taking entries in each of the categories above in a semirandom fashion. True random selection was tainted by rejecting standardization documents for items very similar to those already selected for review. In addition, we reviewed documents which appeared from the outline to constitute spurious matches.

We found only one case in which the text review revealed a use category that conflicted directly with the one derived from the outline. The document in that case actually required a prohibition of lead; the outline showed only the paragraph title: "Lead piping." In numerous other instances, we found that paragraphs were actually entitled "Prohibition of lead" and were therefore correctly categorized. Other than this case, we found no errors in our assignment of direct requirements or prohibitions.

We found many cases in which we were unable to determine whether a "test" reference in the outline was to test for the presence of the substance, or to conduct a test using the substances as an agent; for instance, the phrase "Benzene Test" offers little to assist the reviewer. We conclude that, while the substance is clearly present in the production facility, we cannot distinguish effectively between the "Test for" and "Test with" categories without the supporting text.

We found 2 cases (of 14) in which the standardization document appeared to offer options to the use of the hazardous materials, but on review of the text the "options" were found to refer to completely different components of the end item. An example of this is a document having consecutive paragraphs titled "Cadmium coating" (requiring the use of one of the industrial toxics) and "Zinc coating" (which does not). On inspection of the actual text, we found that the paragraphs refer to coating different components; therefore, there is no substitution option.

In many cases, technical references offer hazardous substances and nonhazardous substances as acceptable alternative methods of accomplishing a requirement. These documents are frequently incorporated by reference into many standardization documents which do not require the use of hazardous materials. We concluded that in many cases, these secondary references are the real "requirement" to use such substances. For those reasons, we discarded the "optional" categories for reference documents to create a single list of standardization documents which neither require nor prohibit the use of hazardous materials – they simply describe their use. Those standardization documents are listed in Appendix B.

items may be very complex, the manager would need extensive support resources just

[redacted]

Accuracy of the Data Base Search

Multipurpose words cause a problem in any automated search. For instance, the toxic metal "Lead" tends to be captured inadvertently, because of the prevalence of electrical *leads* in military-procured items. That happened in over 1,000 cases. The other primary cause (49 cases) of spurious data base matches was "NEMA," which the Register of Lists offers as a synonym for the ITP target chemical tetrachloroethylene. NEMA is also the acronym for a commercial code of electrical standards frequently referred to in standardization documents. Clearly, therefore, regardless of the need for more specific categorization, a fully automated search would be impossible because of the presence of such multipurpose words.

Finally, in reviewing the actual text of the documents, we found a number of requirements for generic processes in which hazardous materials are known to be used but are not specifically noted. Examples include plating and welding. Those processes may be captured by a search of cross-references to military handbooks. A specific search for those process names could be expected to turn up additional documents not otherwise identified. The IHS data base did not allow for that degree of cross-referencing. We have provided in Appendix B a listing of the military handbooks and other reference documents which would provide much of this detail, and preparing activities should review their standardization documents for references to these publications.

Completeness of the Data Base Search

While we found no incorrect assignment of documents as erroneous matches based on the outline content, we did find instances in which there were requirements for hazardous substances within the text, so that the match was correct but coincidental, and therefore the document was incorrectly, although properly, rejected.

A much larger source of error in not picking up a document that does call for the use of hazardous material is the possibility that the material is not referred to in the paragraph outline. In order to assess the scope of the requirements not detected through this process, we examined the text of 100 documents without reference to whether they had been selected by the data base search. Since each of the standardization document microfiche cartridges addresses a different class of product (ordnance, chemicals, etc.), we decided to review one document from each product

class. We found that 24 of those documents referred to the hazardous materials for which we had been searching and of those, 13 had been identified by our initial search; the rest, obviously, had not.

Based on this random sample, we conclude that our search has uncovered perhaps one-half of the standardization documents requiring review. Although the objective of this study, to identify a number of standardization documents to be reviewed, has been accomplished, there are still many additional documents to be found. The cost of doing so within a single organization without better automated data would be considerable, and in our view would be far in excess of the value derived.

Conclusions on the Effectiveness of the Data Base Search

The Logistics Management Institute and the project sponsors were aware when initiating the process that without the text we would not find all the standardization documents that called for the use of hazardous substances. We also anticipated finding many documents that did allow the use of materials on the Register of Lists and agreed with ODASD(E) that the identification and resolution of those standardization documents would be a significant contribution to hazardous waste reduction. We agreed the study would help reduce the workload of the preparing activities and would serve as an adequate test of the system. Clearly, our finding of almost 1,500 standardization documents in a search involving only 5 percent of all the entries on the Register of Lists indicates that the workload of review which would be generated by screening standardization documents for references to the entire Register of Lists would be enormous. In addition, the relatively small investment made for this search (compared to over $1 million dollars for the earlier manual effort) shows that automating the search process has value.

CHAPTER 3

CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

Research Findings

There are three primary conclusions to be drawn from this study. First, the large number of standardization documents which allow the use of hazardous materials, combined with numerous preparing activities, make it meaningless to attempt to focus DoD efforts on a limited set of products or preparing activities. OSD must direct that each preparing activity review its documents. The list generated through this study process, while not a total listing, is long enough to serve as a starting point from which more sophisticated (and expensive) efforts may progress. The responses to OSD's initial taskings should help to add more direction to the program.

Second, the information required to support the search process exists, but not in a useful form. The EPA is moving rapidly to make the Register of Lists accessible. The standardization documents, however, are generally not accessible. Considering the high cost of the earlier manual search for a few substances, the conversion of the data base from graphics to readable files is probably cost-effective. In addition, the specification writers may not always be cognizant of the hazardous material issue. To curtail the problem at its source, DoD should provide specification writers with a word-processor module that allows the writer to inspect documents for requirements for hazardous materials and to display available alternatives.

Third, there is a lack of information on substitutes for hazardous materials. In many cases, the responsible project manager or item manager may be unaware of the requirement or the significance of the requirement; in many other cases, the manager or the users may be unaware of the availability of an effective substitute. The only way to reduce this dependence on hazardous materials over time is to increase DoD's knowledge about the availability of less hazardous materials so that item managers

may select, or demand the development of, less environmentally threatening alternatives and operators may implement the use of those alternatives.

Implementation

The implementation of OSD's follow-up to this study should be structured to develop the necessary information. We suggest that preparing activities be tasked to review the listed documents (as a minimum) and provide responses in one of the following categories for each document:

- No substitute is acceptable. (Explain why and provide an estimated quantity of the material used annually.)
- No substitutes are known. (Provide a performance standard for the material and an estimated quantity of the material used annually.)
- The document provides for the use of substitutes. The following substitutes have been approved for use and will be specifically included in the next document update.
- The hazardous material requirement has been eliminated.
- Erroneous reference: the document does not call for the use of hazardous materials.

Once those responses are gathered, OSD should designate a clearing-house agency for information on tried and potential substitutes. OSD should also collate all information about materials which cannot be substituted for (either for technical reasons or for the lack of a known substitute), and develop a research and development strategy based on the quantities and toxicity of the materials.

RECOMMENDATIONS

Based on these findings, we recommend that the Deputy Assistant Secretary of Defense (Environment)

- sponsor research and development to identify acceptable alternatives to hazardous materials, including the designation of a clearing-house for such information.
- expand the search of standardization documents for additional hazardous materials, and investigate references to generic industrial processes, such as brazing, that require the use of hazardous materials. A list of reference documents is provided in Appendix B.

- review standardization documents periodically, using an automated process, to ensure that unnecessary requirements for the use of hazardous materials are being eliminated.

In addition, we recommend that the Deputy Assistant Secretary of Defense (Production Resources)

- encourage the preparing activities responsible for the Federal and DoD standardization documents to review and modify, as appropriate, all documents with references to the 132 hazardous materials belonging to the EPA's 17 toxic chemical categories. Those documents are listed in Appendix C. Preparing activity codes are provided with the references listed in Appendices B, C, and D; the identification and addresses of those activities are provided in Appendix E.

- sponsor the development of a software enhancement package for use with word-processing systems so that hazardous materials in the standardization documents will automatically be identified as the documents are prepared.

- sponsor an effort to convert the full text of all active DoD standardization documents to searchable files in partnership with a private-sector firm to help defray the costs.

APPENDIX A

LIST OF INDUSTRIAL TOXICS PROJECT CHEMICALS AND SYNONYMS

TABLES

LIST OF INDUSTRIAL TOXICS PROJECT CHEMICALS AND SYNONYMS

TABLE A-1

INDUSTRIAL TOXICS PROJECT (ITP) CHEMICALS

Benzene
Cadmium and compounds
Carbon tetrachloride
Chloroform
Chromium and compounds
Cyanide and compounds
Dichloromethane
Lead and compounds
Methyl isobutyl ketone[a]
Methyl ethyl ketone[b]
Mercury and compounds
Nickel and compounds
Tetrachloroethylene
Toluene
Trichloroethylene
1,1,1 – Trichloroethane
Xylenes

[a] Methyl isobutyl ketone appears on the Register of Lists as 4-Methyl-2-Pentanone.

[b] Methyl ethyl ketone appears on the Register of Lists as 2-Butanone.

TABLE A-2

BENZENE

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
71-43-2	BENZENE	000336	BENZOL BENZOLE COAL NAPHTHA CYCLOHEXATRIENE PHENE PHENYL HYDRIDE PYROBENZOL PYROBENZOLE [6]ANNULENE
95-50-1	1,2-DICHLOROBENZENE	000353	1,2-DICHLOROBENZENE BENZENE, 1,2-DICHLORO- BENZENE, 1,2-DICHLORO- (9CI) BENZENE, O-DICHLORO- (8CI) CLOROBEN DILATIN DB DOWTHERM E ORTHODICHLOROBENZENE O-DICHLOROBENZENE
60-09-3	AMINOAZOBENZENE	000373	4-AMINOAZOBENZENE 4-AMINOAZOBENZOL 4-PHENYLAZOANILINE ANILINE, P-(PHENYLAZO)- ANILINE YELLOW BENZENAMINE, 4-(PHENYLAZO)- BENZENE, 4-AMINOAZO- BRASILAZINA OIL YELLOW G CELLITAZOL R CERES YELLOW R C.I. 11000 C.I. SOLVENT YELLOW 1 (7CI,8C) FAST SPIRIT YELLOW FAT YELLOW AAB

Note: CHEMID = chemical identification number from Register of Lists.

[a] Chemical Abstract Services registry number.

TABLE A-2

BENZENE (Continued)

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
60-09-3 (Continued)			OIL SOLUBLE ANILINE YELLOW OIL YELLOW AAB OIL YELLOW AB OIL YELLOW AN OIL YELLOW B ORGANOL YELLOW 2A P-AMINOAZOBENZENE P-AMINOAZOBENZOL P-AMINODIPHENYLIMIDE P-(PHENYLAZO)ANILINE SOLVENT YELLOW 1 SOMALIA YELLOW 2G SUDAN YELLOW R
60-11-7	P-DIMETHYLAMINOAZOBENZENE	000374	4-DIMETHYLAMINOAZOBENZENE 4-(N,N-DIMETHYLAMINO)AZOBENZEN 4-(PHENYLAZO)-N,N-DIMETHYLANIL BENZENAMINE, N,N-DIMETHYL-4- BENZENAMINE, N,N-DIMETHYL-4- BENZENE, 4-DIMETHYLAMINOAZO- BRILLIANT FAST OIL YELLOW BRILLIANT FAST SPIRIT YELLOW BRILLIANT OIL YELLOW BUTTER YELLOW (6CI, 7CI) CERASINE YELLOW GG C.I. 11020 C.I. SOLVENT YELLOW 2 (8CI) DAB DAB (CARCINOGEN) DIMETHYL AMINOAZOBENZENE DIMETHYL YELLOW DIMETHYLAMINOAZOBENZENE DMAB ENIAL YELLOW 2G FAST OIL YELLOW B FAT YELLOW FAT YELLOW A FAT YELLOW AD OO FAT YELLOW ES FAT YELLOW ES EXTRA FAT YELLOW EXTRA CONC FAT YELLOW R

[a] Chemical Abstract Services registry number.

TABLE A-2

BENZENE (Continued)

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
60-11-7 (Continued)			GRASAL BRILLIANT YELLOW IKETON YELLOW EXTRA METHYL YELLOW N,N-DIMETHYL-P-(PHENYLAZO)ANIL OIL YELLOW 20 OIL YELLOW 2625 OIL YELLOW 2G OIL YELLOW BB OIL YELLOW D OIL YELLOW FN OIL YELLOW G OIL YELLOW GG OIL YELLOW GR OIL YELLOW II OIL YELLOW N OIL YELLOW PEL OIL YELLOW S OLEAL YELLOW 2G ORGANOL YELLOW ADM ORIENT OIL YELLOW GG PETROL YELLOW WT P-(DIMETHYLAMINO)AZOBENZENE RESINOL YELLOW GR SILOTRAS YELLOW T 2G SOMALIA YELLOW A STEAR YELLOW JB SUDAN YELLOW GG SUDAN YELLOW GGA TOYO OIL YELLOW G WAXOLINE YELLOW ADS YELLOW G SOLUBLE IN GREASE
1197-37-1	1,2-BENZENEDIAMINE, 4-ETHOXY-	000375	BENZENE, 4-ETHOXY-1,2-DIAMINO- O-PHENYLENEDIAMINE, 4-ETHOXY-
104-51-8	BENZENE, BUTYL-	000376	
68411-45-0	BENZENE, CHLORO-DERIVS.	000377	
1321-38-6	BENZENE, DIISOCYANATOMETHYL-	000378	BENZENE, DIISOCYANATOMETHYL- NAPHTHALENE, PENTACHLORO-

[a] Chemical Abstract Services registry number.

TABLE A-2

BENZENE (Continued)

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
25550-14-5	BENZENE, ETHYLMETHYL-	000379	BENZENE, ETHYLMETHYL- MIXED IS DIISODECYL PHENYL PHOSPHITE
118-74-1	HEXACHLORO-BENZENE	000380	AMATIN ANTICARIE BENZENE, HEXACHLORO BENZENE, HEXACHLORO- BENZENE, HEXACHLORO- (8CI, 9CI) BUNT-CURE BUNT-NO-MORE CO-OP HEXA HCB HEXACHLOROBENZENE JULIN'S CARBON CHLORIDE NO BUNT NO BUNT 40 NO BUNT 80 NO BUNT LIQUID PENTACHLOROPHENYL CHLORIDE PERCHLOROBENZENE SANOCIDE SNIECIOTOX ZAPRAWA NASIENNA SNECIOTOX
103-71-9	BENZENE, ISOCYANATO	000381	BENZENE, ISOCYANATO-
99-65-0	1,3-DINITROBENZENE	000382	BENZENE, 1,3-DINITRO- BENZENE, M-DINITRO- M-DINITROBENZENE
30143-13-6	BENZENE, METHYL-, DIAMINO DERI	000383	
528-29-0	1,2-DINITROBENZENE	000384	BENZENE, 1,2-DINITRO- BENZENE, O-DINITRO- O-DINITROBENZENE
88-73-3	BENZENE, O-NITROCHLORO-	000385	
100-25-4	1,4-DINITROBENZENE	000386	BENZENE, 1,4-DINITRO- BENZENE, P-DINITRO P-DINITROBENZENE

[a] Chemical Abstract Services registry number.

TABLE A-2

BENZENE (Continued)

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
100-00-5	BENZENE, P-NITROCHLORO	000387	
85-22-3	BENZENE, PENTABROMOETHYL-	000388	
82-68-8	PENTACHLORONITRO BENZENE	000389	AVICOL (PESTICIDE) BATRILEX BENZENE, PENTACHLORONITRO- BENZENE, PENTACHLORONITRO- BOTRILEX BRASSICOL BRASSICOL 75 BRASSICOL SUPER CHINOZAN FARTOX FOLOSAN FOMAC 2 GC 3944-3-4 KOBUTOL MARISAN FORTE NITROPENTACHLOROBENZENE PCNB PENTACHLORONITROBENZENE (PCNB) PENTAGEN PHOMASAN QUINOSAN QUINTOCENE QUINTOZEN QUINTOZENE RTU 1010 TERRACHLOR TERRACLOR TERRACLOR 30 G TERRAFUN TILCAREX TRITISAN
135-99-8	BENZENE, SEC-BUTYL-	000390	
98-06-6	BENZENE, (1,1-DIMETHYLETHYL)-	000391	BENZENE, TERT-BUTYL-

[a] Chemical Abstract Services registry number.

TABLE A-2

BENZENE (Continued)

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
12002-48-1	BENZENE, TRICHLORO-	000392	
2687-25-4	1,2-BENZENEDIAMINE, 3-METHYL-	000393	3-(2H)-ISOXAZOLONE, 5-(AMINOME BENZENE,1,2-DIAMINE, 3-METHYL-
95-54-5	1,2-BENZENEDIAMINE	000394	BENZENE-1,2-DIAMINE
3663-23-8	1,2-BENZENEDIAMINE, 4-BUTYL-	000395	BENZENE-1,2-DIAMINE, 4-BUTYL-
95-83-0	1,2-BENZENEDIAMINE, 4-CHLORO-	000396	BENZENE-1,2-DIAMINE, 4-CHLORO-
68459-98-3	1,2-BENZENEDIAMINE, 4-CHLORO-,	000397	BENZENE-1,2-DIAMINE, 4-CHLORO-OXIRANE, 2,2',2"-[PROPYLIDYNET]-
68015-98-5	1,3-BENZENEDIAMINE, 4-ETHOXY-,	000398	BENZENE-1,2-DIAMINE, 4-ETHOXY-OXIRANE, MONO[(C10-16-ALKYLOXY-
99-56-9	1,2-BENZENEDIAMINE, 4-NITRO-	000399	BENZENE-1,2-DIAMINE, 4-NITRO-
6219-77-8	1,2-BENZENEDIAMINE, 4-NITRO-,	000400	BENZENE-1,2-DIAMINE, 4-NITRO-,
68239-82-7	1,2-BENZENEDIAMINE, 4-NITRO-,	000401	BENZENE-1,2-DIAMINE, 4-NITRO-,
42389-30-0	1,2-BENZENEDIAMINE, 5-CHLORO-3	000402	BENZENE-1,2-DIAMINE, 5-CHLORO-
615-28-1	1,2-BENZENEDIAMINE DIHYDROCHLO	000403	BENZENE-1,2-DIAMINE, DIHYDROCH

[a] Chemical Abstract Services registry number.

TABLE A-2

BENZENE (Continued)

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
85-70-1	1,2-BENZENEDICARBOXYLIC ACID,	000404	BENZENE-1,2-DICARBOXYLIC ACID,
89-13-4	1,2-BENZENEDICARBOXYLIC ACID,	000405	BENZENE-1,2-DICARBOXYLIC ACID,
108-90-7	CHLOROBENZENE	000736	BENZENE-1,-TRICHLORO- BENZENE, CHLORO- BENZENE, CHLORO- (8CI, 9CI) BENZENE CHLORIDE CHLOROBENZENE CP 27 I.P. CARRIER T 40 MCB MONOCHLOROBENZENE PHENYL CHLORIDE TETROSIN SP
100-41-4	ETHYLBENZENE	001115	BENZENE, ETHYL BENZENE, ETHYL- BENZENE, ETHYL- (7CI, 8CI, 9CI EB ETHYLBENZOL PHENYLETHANE .ALPHA.-METHYLTOLUENE
98-95-3	NITROBENZENE	001596	BENZENE, NITRO- BENZENE, NITRO- (8CI, 9CI) ESSENCE OF MIRBANE ESSENCE OF MYRBANE MIRBANE OIL NITROBENZENE NITROBENZOL OIL OF MIRBANE OIL OF MYRBANE
25551-13-7	BENZENE, TRIMETHYL- (MIXED ISO	002375	2-PROPENOIC ACID, MONOESTER WI TRIMETHYL BENZENES(MIXED)

[a] Chemical Abstract Services registry number.

TABLE A-3

CADMIUM AND COMPOUNDS

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
7440-43-9	CADMIUM COMPOUNDS	000643	CADMIUM ELEMENT C.I. 77180
CWA-00-5	CADMIUM (TOTAL)	000644	
543-90-8	CADMIUM ACETATE	000645	
SARA-00-9	CADMIUM AND COMPOUNDS	000646	
7789-42-6	CADMIUM BROMIDE	000647	
10108-64-2	CADMIUM CHLORIDE	000648	CADDY
SARA-00-8	CADMIUM COMPOUNDS	000649	

[a] Chemical Abstract Services registry number.

TABLE A-4

CARBON TETRACHLORIDE

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
56-23-5	CARBON TETRACHLORIDE	000682	BENZINOFORM
		000682	CARBON CHLORIDE (CCL4)
		000682	CARBONA
		000682	FLUKOIDS
		000682	METHANE, TETRACHLORO- (9CI)
		000682	NECATORINA
		000682	PERCHLOROMETHANE
		000682	R 10
		000682	R 10 (REFRIGERANT)
		000682	TETRAFINOL
		000682	TETRAFORM
		000682	TETRASOL
		000682	UNIVERM
		000682	VERMOESTRICID

[a] Chemical Abstract Services registry number.

TABLE A-5

CHLOROFORM

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
67-66-3	CHLOROFORM	000745	METHANE, TRICHLORO- (9CI) R 20 R 20 (REFRIGERANT) TRICHLOROFORM TRICHLOROMETHANE

[a] Chemical Abstract Services registry number.

TABLE A-6

CHROMIUM AND COMPOUNDS

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
7440-47-3	CHROMIUM COMPOUNDS	000771	CHROME CHROMIUM ELEMENT
SARA-01-7	CHROMIUM AND COMPOUNDS	000772	
SARA-01-6	CHROMIUM COMPOUNDS	000773	
10049-05-5	CHROMOUS CHLORIDE	000774	

[a] Chemical Abstract Services registry number.

TABLE A-7

CYANIDE AND COMPOUNDS

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
506-77-4	CYANOGEN CHLORIDE	000726	CHLORINE CYANIDE CYANOGEN CHLORIDE (CN)CL
57-12-5	CYANIDES - DISSOCIABLE SALTS	000834	CARBON NITRIDE ION (CN1-) CYANIDE CYANIDE ANION CYANIDE COMPOUNDS CYANIDE ION CYANIDE (8CI, 9CI) CYANIDES (SOLUBLE SALTS AND CO CYANIDES (SOLUBLE SALTS AND CO CYANIDE(1-) ION HYDROCYANIC ACID, ION(1-) ISOCYANIDE
SARA-02-2	CYANIDE COMPOUNDS	000835	
460-19-5	CYANOGEN	000836	ETHANEDINITRILE
506-68-3	CYANOGEN BROMIDE	000837	BROMINE CYANIDE CYANOGEN BROMIDE CYANOGEN BROMIDE (CN)BR
506-78-5	CYANOGEN IODIDE	000838	
2636-26-2	CYANOPHOS	000839	
108-80-5	CYANURIC ACID	000840	
108-77-0	CYANURIC CHLORIDE	000841	
675-14-9	CYANURIC FLUORIDE	000842	

[a] Chemical Abstract Services registry number.

TABLE A-8

DICHLOROMETHANE

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
75-09-2	METHYLENE CHLORIDE	000931	AEROTHENE MM DICHLOROMETHANE METHANE, DICHLORO- METHANE, DICHLORO- (8CI, 9CI) METHYLENE DICHLORIDE NARKOTIL R 30 SOLAESTHIN SOLMETHINE

[a] Chemical Abstract Services registry number.

TABLE A-9

LEAD AND COMPOUNDS

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
7439-92-1	LEAD COMPOUNDS	001342	C.I. 77575 C.I. PIGMENT METAL 4 LEAD ELEMENT LEAD FLAKE LEAD S 2 PB-S 100 S0
CWA-00-9	LEAD (TOTAL)	001343	
301-04-2	LEAD ACETATE	001344	
SARA-03-3	LEAD AND COMPOUNDS	001345	
7645-25-2	LEAD ARSENATE	001346	
10102-48-4	LEAD ARSENATE	001347	
7784-40-9	LEAD ARSENATE	001348	
7758-95-4	LEAD CHLORIDE	001349	
SARA-03-4	LEAD COMPOUNDS	001350	
13814-96-5	LEAD FLUOBORATE	001351	
7783-46-2	LEAD FLUORIDE	001352	
10101-63-0	LEAD IODIDE	001353	
61790-14-5	NAPHTHENIC ACIDS, LEAD SALTS	001354	
10099-74-8	LEAD NITRATE	001355	
7446-27-7	LEAD PHOSPHATE	001356	

[a] Chemical Abstract Services registry number.

TABLE A-10

METHYL ETHYL KETONE

(2-Butanone)

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
	2-BUTANONE	001462	2-BUTANONE (8CI, 9CI) 3-BUTANONE BUTANONE ETHYL METHYL KETONE MEK
1338-23-4	METHYL ETHYL KETONE PEROXIDE	000580	2-BUTANONE PEROXIDE BUTANONE PEROXIDE, 2-

[a] Chemical Abstract Services registry number.

TABLE A-11

MERCURY AND COMPOUNDS

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
628-86-4	MERCURY FULMINATE	001194	FULMINIC ACID, MERCURY SALT
1600-27-7	MERCURIC ACETATE	001404	
7487-94-7	MERCURIC CHLORIDE	001405	
592-04-1	MERCURY CYANIDE	001406	MERCURIC CYANIDE
10045-94-0	MERCURIC NITRATE	001407	
21908-53-2	MERCURIC OXIDE	001408	
7783-35-9	MERCURIC SULFATE	001409	
592-85-8	MERCURIC THIOCYANATE	001410	MERCURIC SULFOCYANIDE
10415-75-5	MERCUROUS NITRATE	001411	MERCUROUS PROTONITRATE
7782-86-7	MERCUROUS NITRATE	001412	NITRIC ACID, MERCURY(1 +) SALT,
7439-97-6	MERCURY COMPOUNDS	001413	HG MERCURY ELEMENT QUECKSILBER QUICKSILVER
CWA-01-0	MERCURY (TOTAL)	001414	
SARA-03-6	MERCURY AND COMPOUNDS	001415	
SARA-03-7	MERCURY COMPOUNDS	001416	
10112-91-1	MERCUROUS CHLORIDE	002740	

[a] Chemical Abstract Services registry number.

TABLE A-12

NICKEL AND COMPOUNDS

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
7440-02-0	NICKEL COMPOUNDS	001574	C.I. 77775 FM 1208 HCA 1 N1 NI 0901S (HARSHAW) NI 233 NI 270 NI 4303T NICKEL 270 NICKEL ELEMENT NP 2 RANEY ALLOY RANEY NICKEL RCH 55/5
15699-18-0	NICKEL AMMONIUM SULFATE	001575	AMMONIUM NICKEL SULFATE
CATEGORY	NICKEL AND COMPOUNDS	001576	
13463-39-3	NICKEL CARBONYL	00157	NICKEL CARBONYL NI(CO)4, (T-4)
7718-54-9	NICKEL CHLORIDE [NICL2]	001578	NICKEL CHLORIDE NICKEL CHLORIDE NICKEL (II) CHLORIDE NICKELOUS CHLORIDE
37211-05-5	NICKEL CHLORIDE	001579	
SARA-03-9	NICKEL COMPOUNDS	001580	
557-19-7	NICKEL CYANIDE	001581	
12054-48-7	NICKEL HYDROXIDE	001582	
14216-75-2	NICKEL NITRATE	001583	
7786-81-4	NICKEL SULFATE	001584	
CWA-01-1	NICKEL(TOTAL)	001585	

[a] Chemical Abstract Services registry number.

TABLE A-13

TETRACHLOROETHYLENE

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
127-18-4	TETRACHLORO-ETHENE	001131	1,1,2,2-TETRACHLOROETHENE 1,1,2,2-TETRACHLOROETHYLENE ANKILOSTIN ANTISAL 1 DIDAKENE DILATIN PT ETHENE, TETRACHLORO- ETHENE, TETRACHLORO- (9CI) ETHYLENE, TETRACHLORO- ETHYLENE, TETRACHLORO- (8CI) ETHYLENE TETRACHLORIDE FEDAL-UN FREON 111 NEMA PERACETIC ACIDPERCHLOROETHYLEN PERCHLORETHYLENE PERCHLOROETHYLENE PERCLENE PERSEC TETLEN TETRACAP TETRACHLORETHYLENE TETRACHLOROETHENE TETRACHLOROETHYLENE TETRAGUER TETRALENO TETROPIL

[a] Chemical Abstract Services registry number.

TABLE A-14

TOLUENE

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
26471-62-5	TOLUENE DIISOCYANATE	000371	2,4-TOLUENE DIISOCYANATE 3-(2H)-ISOTHIAZOLONE, 2-OCTYL- BENZENE, 1,3-DIISOCYANATOMETHY BENZENE, 2,4-DIISOCYANATOMETHY
75790-84-0	BENZENE, 2-ISOCYANATO-4-[(4-IS	000372	
108-88-3	TOLUENE	002311	ANTISAL 1A BENZENE, METHYL BENZENE, M HYL- BENZENE, METHYL- (9CI) CP 25 METHACIDE METHYLBENZENE METHYLBENZOL PHENYLMETHANE TOLUENE TOLUOL

[a] Chemical Abstract Services registry number.

TABLE A-15

TRICHLORO

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
71-55-6	1,1,1-TRICHLOROETHANE	001060	1,1,1-TRICHLORETHANE AEROTHENE TT ALPHA-T ALPHA-TRICHLOROETHANE CF 2 CHLOROTENE CHLOROTHENE CHLOROTHENE NU CHLOROTHENE SM CHLOROTHENE VG CHLORTEN (6CI) ETHANA NU ETHANE, 1,1,1-TRICHLORO- ETHANE, 1,1,1-TRICHLORO- (8CI, ETHANE,1,1,1-TRICHLORO-METHYL ICI-CF 2 INHIBISOL METHYL CHLOROFORM METHYLCHLOROFORM METHYLTRICHLOROMETHANE TAFCLEAN TRICHLOROETHANE TRICHLOROMETHYLMETHANE
79-00-5	1,1,2-TRICHLOROETHANE	001062	1,1,2-TRICHLOROETHANE 1,2,2-TRICHLOROETHANE BETA-T BETA-TRICHLOROETHANE ETHANE, 1,1,2-TRICHLORO ETHANE, 1,1,2-TRICHLORO- ETHANE, 1,1,2-TRICHLORO- (8CI, VINYLTRICHLORIDE
76-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	001063	1,1,2-TRICHLOROTRIFLUOROETHANE 1,1,2-TRICHLORO-1,2,2-TRIFLUOR 1,1,2-TRIFLUOROTRICHLOROETHANE 1,1,2-TRIFLUORO-1,2,2-TRICHLOR 1,2,2-TRICHLOROTRIFLUOROETHANE ARCTON 63 ARKLONE P ASAHIFRON 113 CHLORINATED FLUOROCARBON

Note: This category includes 1,1,1 TRICHLOROETHANE and TRICHLOROETHYLENE.

[a] Chemical Abstract Services registry number.

TABLE A-15

TRICHLORO (Continued)

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
76-13-1 (Continued)			DAIFLON S 3 ETHANE, 1,1,2-TRICHLORO-1,2,2- F 113 FC 113 FLUOROCARBON 113 FORANE 113 FREON 113 FREON 113TR-T FREON TF FRIGEN 113 FRIGEN 113A FRIGEN 113TR FRIGEN 113TR-N FRIGEN 113TR-T GENETRON 113 ISCEON 113 KHLADON 113 LEDON 113 R 113 R 113 (HALOCARBON) REFRIGERANT 113 REFRIGERANT R 113
115-21-9	TRICHLOROETHYLSILANE	002105	SILANE, TRICHLOROETHYL
1558-25-4	TRICHLORO(CHLOROMETHYL)SILANE	002348	
27137-85-5	TRICHLORO(DICHLOROPHENYL)SILANE	002349	
545-06-2	TRICHLOROACETONITRILE	002350	
76-02-8	TRICHLOROACETYL CHLORIDE	002351	
79-01-6	TRICHLOROETHYLENE	002352	1,1,2-TRICHLOROETHYLENE ALGYLEN ANAMENTH CHLORILEN CHLORYLEN DENSINFLUAT

Note: This category includes 1,1,1 TRICHLOROETHANE and TRICHLOROETHYLENE.

[a] Chemical Abstract Services registry number.

[redacted]

TABLE A-15

TRICHLORO (Continued)

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
79-01-6 (Continued)			ETHENE, TRICHLORO ETHENE, TRICHLORO- ETHENE, TRICHLORO- (9CI) ETHINYL TRICHLORIDE ETHYLENE, TRICHLORO- (8CI) ETHYLENE TRICHLORIDE FLUATE GERMALGENE NARCOGEN NARKOSOID THRETHYLEN THRETHYLENE TRETHYLENE TRI TRICHLORAN TRICHLOREN TRICHLOROETHENE TRICLENE TRIELENE TRIELIN TRIELINE TRILEN TRILENE TRIMAR WESTROSOL
75-69-4	TRICHLOROFLUORO-METHANE	002353	FLUOROTRICHLOROMETHANE FREON 11 METHANE, TRICHLOROFLUORO- TRICHLOROMONOFLUOROMETHANE
75-70-7	TRICHLOROMETHANE THIOL	002354	

Note: This category includes 1,1,1 TRICHLOROETHANE and TRICHLOROETHYLENE.

[a] Chemical Abstract Services registry number.

TABLE A-16

XYLENES

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
108-38-3	M-XYLENE	002423	1,3-DIMETHYLBENZENE 1,3-XYLENE BENZENE, 1,3-DIMETHYL- BENZENE, 1,3-DIMETHYL- (9CI) BENZENE, M-DIMETHYL- M-BENZENE, DIMETHYL M-DIMETHYLBENZENE M-METHYLTOLUENE M-XYLENE M-XYLOL XYLENE, M-
95-47-6	O-XYLENE	002424	1,2-DIMETHYLBENZENE 1,2-XYLENE BENZENE, 1,2-DIMETHYL- BENZENE, 1,2-DIMETHYL- (9CI) BENZENE, O-DIMETHYL- ORTHO-XYLENE O-BENZENE, DIMETHYL O-DIMETHYLBENZENE O-METHYLTOLUENE O-XYLENE O-XYLOL XYLENE, O-
106-42-3	P-XYLENE	002425	1,4-DIMETHYLBENZENE 1,4-XYLENE 4-METHYLTOLUENE BENZENE, 1,4-DIMETHYL- BENZENE, 1,4-DIMETHYL- (9CI) BENZENE, P-DIMETHYL- P-BENZENE, DIMETHYL P-DIMETHYLBENZENE P-METHYLTOLUENE P-XYLENE P-XYLOL XYLENE, P-
1330-20-7	TOTAL XYLENES	002426	BENZENE, DIMETHYL BENZENE, DIMETHYL- BENZENE, DIMETHYL- (TOTAL XYL BENZENE, DIMETHYL- (9CI)

[a] Chemical Abstract Services registry number.

TABLE A-16

XYLENES (Continued)

CAS NO[a]	CHEMICAL NAME	CHEMID	SYNONYM NAME
1330-20-7 (Continued)			DILAN DIMETHYLBENZENE XYLENE XYLENE, (TOTAL) XYLENE (8CI) XYLENE (MIXED ISOMERS) XYLENE (MIXED) XYLENES XYLENES (MIXED ISOMERS) XYLOL
1300-71-6	XYLENOL	002427	ANTIMONY TRIOXIDE DIMETHYLPHENOL HYDROXYDIMETHYLBENZENE PHENOL, DIMETHYL-
1300-73-8	XYLIDENE	002428	
87-62-7	2,6-XYLIDINE	002429	1-AMINO-2,6-DIMETHYLBENZENE 2,6-DIMETHYLANILINE 2,6-DIMETHYLBENZENAMINE 2,6-XYLYLAMINE 2-AMINO-1,3-DIMETHYLBENZENE 2-AMINO-1,3-XYLENE 2-AMINO-M-XYLENE BENZENAMINE, 2,6-DIMETHYL- (9C O-XYLIDINE XYLIDINE, 2,6-
28347-13-9	XYLYLENE DICHLORIDE	002430	

[a] Chemical Abstract Services registry number.

APPENDIX B

REFERENCE MANUALS THAT REQUIRE THE USE OF HAZARDOUS MATERIALS

REFERENCE MANUALS THAT REQUIRE THE USE OF HAZARDOUS MATERIALS

TABLE B-1

ALPHABETICAL LISTING OF REFERENCE MANUALS

Document	Title	Chemical	Preparing activity
ASTM D1153	STANDARD SPECIFICATIONS FOR METHYL ISOBUTYL KE	9997	SD1
ASTM D2804	STANDARD TEST METHOD FOR PURITY OF METHYL ETHYL	9998	SD1
ASTM D3329	STANDARD METHOD FOR PURITY OF METHYL ISOBUTYL	9997	SD1
DOD-HDBK-270	METALLIC MATERIALS, MAGNETIC PERMEABILITY AND	1574	SH
DOD-HDBK-289	LIGHTING ON NAVAL SHIPS (METRIC)	1194	SH
DOD-HDBK-791	MAINTAINABILITY DESIGN TECHNIQUES METRIC	1342	AM
DOD-STD-1446	METAL ORGANIC COMPOUNDS, REAGENT GRADE (METRI	1406	EA
DOD-STD-2138	METAL SPRAYED COATING SYSTEMS FOR CORROSION P	2348 and 2311	SH
MIL-A-10450D VALID NOT	ANILINE, TECHNICAL (METRIC)	373	EA
MIL-C-51254A VALID NOTI	CUPROUS CYANIDE, TECHNICAL	834	EA
MIL-C-53072A	CHEMICAL AGENT RESISTANT COATING (CARC) SYSTE	643 and 1342	ME
MIL-C-85455	CHROMIUM-MOLYBDENUM PLATING (ELECTRODEPOSITED	771	AS
MIL-F-14072C (1)	FINISHES FOR GROUND ELECTRONIC EQUIPMENT	643	ER

TABLE B-1

ALPHABETICAL LISTING OF REFERENCE MANUALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-HDBK-1004/10	ELECTRICAL ENGINEERING CATHODIC PROTECTION	771	YD
MIL-HDBK-1004/3	SWITCHGEAR AND RELAYING	1194	YD
MIL-HDBK-1005/9	INDUSTRIAL AND OILY WASTEWATER CONTROL	2427, 771, and 834	YD
MIL-HDBK-1015/1	ELECTROPLATING FACILITIES	643, 1574, and 771	YD
MIL-HDBK-114	FUELS, MOBILITY, USER HANDBOOK	373, 336, and 1342	ME
MIL-HDBK-132A	PROTECTIVE FINISHES FOR METAL AND WOOD SURFAC	771, 1574, and 643	SD1
MIL-HDBK-149B NOTICE 1	RUBBER	374 and 0	MR
MIL-HDBK-175	MICROELECTRONIC DEVICE DATA HANDBOOK	1342	SD1
MIL-HDBK-17A PART II	PLASTICS FOR AEROSPACE VEHICLES TRANSPARENT G	1342	SD1
MIL-HDBK-200F CHG NOTI	QUALITY SURVEILLANCE HANDBOOK FOR FUELS, LUBR	1342	PS
MIL-HDBK-218 VALID NOT	APPLICATIONS OF ELECTRICAL RESOLVERS	1342	AR
MIL-HDBK-231	ENCODERS SHAFT ANGLE TO DIGITAL	1342	SD1
MIL-HDBK-241B NOTICE 1	DESIGN GUIDE FOR ELECTROMAGNETIC INTERFERENCE	1342	SD1
MIL-HDBK-246A	PROGRAM MANAGERS GUIDE FOR THE STANDARD ELECT	1342	EC
MIL-HDBK-251	RELIABILITY/DESIGN THERMAL APPLICATIONS	2353	SD1

TABLE B-1

ALPHABETICAL LISTING OF REFERENCE MANUALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-HDBK-267A	GUIDE FOR SELECTION OF LUBRICANTS AND HYDRAUL	1342	SH
MIL-HDBK-298	SELECTION, INSTALLATION AND TROUBLESHOOTING O	1342 and 1574	SH
MIL-HDBK-400 NOTICE 1	CRITERIA FOR PREPARATION OF GEAR AND SPLINE E	1342	AT
MIL-HDBK-404	CALCULATION AND DESIGN OF MASTER GEARS	1342	AT
MIL-HDBK-406 VALID NOT	CONTAMINATION CONTROL TECHNOLOGY CLEANING MAT	931, 745, and 682	MI
MIL-HDBK-406 VALID NOT	CONTAMINATION CONTROL TECHNOLOGY CLEANING MAT	682, 336, and 2311	MI
MIL-HDBK-408 VALID NOT	CONTAMINATION CONTROL TECHNOLOGY MICROBIAL DE	336, 1194, and 373	MI
MIL-HDBK-408 VALID NOT	CONTAMINATION CONTROL TECHNOLOGY MICROBIAL DE	1406	MI
MIL-HDBK-412	SITE SURVEY AND FACILITY DESIGN HANDBOOK FOR	1342	SD1
MIL-HDBK-5E VOL 2 CHG	METALLIC MATERIALS AND ELEMENTS FOR AEROSPACE	1574	11
MIL-HDBK-63038-1A	TECHNICAL MANUAL WRITING HANDBOOK	1342	SD1
MIL-HDBK-693A VALID NO	MAGNESIUM AND MAGNESIUM ALLOYS	1342	MR
MIL-HDBK-700A	PLASTICS	373 and 0	SD1
MIL-HDBK-729 VALID NOT	CORROSION AND CORROSION PREVENTION METALS	1342, 1574, and 771	MR
MIL-HDBK-730	MATERIALS JOINING	1115	SD1

TABLE B-1

ALPHABETICAL LISTING OF REFERENCE MANUALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-HDBK-759A NOTICE 2	HUMAN FACTORS ENGINEERING DESIGN FOR ARMY MAT	1342	MI
MIL-HDBK-765 NOTICE 1	GUIDELINES FOR SAFE DESIGN OF POLYPHASE ELECT	1342	MI
MIL-HDBK-772 VALID NOT	MILITARY PACKAGING ENGINEERING	1342	SM
MIL-HDBK-786	FIELD ASSURANCE OF ACOUSTIC EMISSION SYSTEM O	1342	MR
MIL-HDBK-978B VOL 1	NASA PARTS APPLICATION HANDBOOK (VOLUME 1 OF	1342	NA
MIL-HDBK-978B VOL 5	NASA PARTS APPLICATION HANDBOOK (VOLUME 5 OF	1194	NA
MIL-P-87938	PEROXIDE, METHYL ETHYL KETONE, TECHNICAL	9998	AS
MIL-STD-1158A	CUSTODIAL CLEANING SERVICES	1574 and 771	GL
MIL-STD-1204B	INORGANIC SALTS AND COMPOUNDS, TECHNICAL GRAD	643 and 0	EA
MIL-STD-1204C	INORGANIC SALTS AND COMPOUNDS, TECHNICAL GRADE	834	EA
MIL-STD-1205A	INORGANIC SALTS AND COMPOUNDS, TECHNICAL GRAD	1342	EA
MIL-STD-1206A	INORGANIC SALTS AND COMPOUNDS, TECHNICAL GRAD	1411	EA
MIL-STD-1206A	INORGANIC SALTS AND COMPOUNDS, TECHNICAL GRAD	1194 and 1574	EA
MIL-STD-1218	ACS CHEMICALS	1411	EA
MIL-STD-1218	ACS CHEMICALS	1406	EA
MIL-STD-1222	INORGANIC SALTS AND COMPOUNDS, ANALYZED REAGE	1411	EA

TABLE B-1

ALPHABETICAL LISTING OF REFERENCE MANUALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-STD-1222	INORGANIC SALTS AND COMPOUNDS, ANALYZED REAGE	1406	EA
MIL-STD-1437	ORGANIC CHEMICAL COMPOUNDS, SOLID, TECHNICAL	931, 1063, and 378	EA
MIL-STD-1447	ETHERS AND ORGANIC PEROXIDES, TECHNICAL GRADE	580 and 9998	EA
MIL-STD-171E	FINISHING OF METAL AND WOOD SURFACES	643 and 0	MR
MIL-STD-1857 VALID NOT	GROUNDING, BONDING AND SHIELDING DESIGN PRACT	1574	CR
MIL-STD-2175	CASTINGS, CLASSIFICATION AND INSPECTION OF	1574	AS
MIL-STD-2195	INSPECTION PROCEDURE FOR DETECTION AND MEASUR	1574	SH
MIL-STD-608B	ALDEHYDES AND KETONES, TECHNICAL GRADE	9998 and 9997	EA
MIL-V-2D (3)	VALVES, CYLINDER, GAS (FOR COMPRESSED OR LIQU	771 and 1574	AS
MIL-W-46132 NOTICE 3	WELDING, FUSION, ELECTRON BEAM, PROCESS FOR	1574	MI
MIL-W-51502 (1)	WATER TESTING KIT, CHEMICAL AGENTS, M272	834	EA
MIL-X-37393	XYLOMETAZOLINE HYDROCHLORIDE SOLUTION, N.F.	2423	DM
O-C-291B VALID NOTICE	CHLOROFORM, TECHNICAL	745	EA
O-C-303D (1)	CHROMIUM TRIOXIDE, TECHNICAL	771	EA
O-T-634C (1)	TRICHLOROETHYLENE, TECHNICAL	2348	EA
PPP-P-1892 INT AMD 2	PAINT, VARNISH, LACQUER, AND RELATED MATERIAL	1342	ME

TABLE B-1

ALPHABETICAL LISTING OF REFERENCE MANUALS (Continued)

Document	Title	Chemical	Preparing activity
QQ-C-320B (4)	CHROMIUM PLATING (ELECTRODEPOSITED)	1574 and 771	AS
QQ-N-290A	NICKEL PLATING (ELECTRODEPOSITED)	1574	AS
QQ-N-301C	NICKEL ALLOYING ADDITIVE (OR FOR REMELTING)	1574	84
QQ-S-571E INT AMD 5	SOLDER; TIN ALLOY, TIN-LEAD ALLOY, AND LEAD A	643	ER
TT-S-735A	STANDARD TEST FLUIDS, HYDROCARBON	2311	ME
TT-T-548E	TOLUENE, TECHNICAL	2311	EA
W-C-260C INT AMD 1	CHARGERS, BATTERY, SEMICONDUCTOR RECTIFIER (F	1342	SA

APPENDIX C

SPECIFICATIONS REQUIRING THE USE OF HAZARDOUS MATERIALS

SPECIFICATIONS REQUIRING THE USE OF HAZARDOUS MATERIALS

TABLE C-1

REFERENCES BY PREPARING ACTIVITY

Preparing activity	Document	Title	Type of reference	Chemical
11	MIL-A-87134 VALID NOTI	ADHESIVE, CONTACT, FOR CUSTOM FIT HELMET LINE	TEST WITH	336
11	MIL-C-26074D	COATINGS, ELECTROLESS NICKEL, REQUIREMENTS FO	REQUIRES	1574
11	MIL-C-6529C (2)	CORROSION PREVENTIVE, AIRCRAFT ENGINE	REQUIRES	682 and 1342
11	MIL-C-8188C VALID NOTI	CORROSION-PREVENTIVE OIL, GAS TURBINE ENGINE,	REQUIRES	1342
11	MIL-L-27502 VALID NOTI	LUBRICATING OIL, AIRCRAFT TURBINE ENGINE, EST	REQUIRES	1574 and 771
11	MIL-L-8067A (1)	LEATHER DRESSING, MILDEW-PREVENTIVE	TEST FOR	1194
11	MIL-L-87177A	LUBRICANTS, WATER DISPLACING, SYNTHETIC	TEST WITH	2353
11	MIL-N-83158A	NOISE SUPPRESSOR SYSTEMS, ENGINE TEST STAND A	OPTIONAL	2353
11	MIL-P-87124A NOTICE 1	PITCH, COAL TAR	TEST FOR	336
11	MIL-STD-1568B	MATERIALS AND PROCESSES FOR CORROSION PREVENT	OPTIONAL	643 and 0
11	MIL-STD-866B VALID NOT	GRINDING OF CHROME PLATED STEEL AND STEEL PAR	REQUIRES	771
11	MIL-S-6090A VALID NOTI	STEEL, CARBURIZING AND MITRIDING, PROCESSES F	REQUIRES	834
11	MIL-T-4892	TEST SET, RADIO FREQUENCY CABLE AN/URM-83	REQUIRES	643
12	MIL-P-27418 NOTICE 2	PLATING, SOFT NICKEL (ELECTRODEPOSITED, SULFA	REQUIRES	1574
17	MIL-H-38534A	HYBRID MICROCIRCUITS, GENERAL SPECIFICATION F	REQUIRES	1574 and 1342
17	MIL-M-38510H SUPP 1A	MICROCIRCUITS GENERAL SPECIFICATION FOR	REQUIRES	1342 and 1574
19	DOD-E-83578A	EXPLOSIVE ORDNANCE FOR SPACE VEHICLES (METRIC	REQUIRES	1342
20	MIL-C-25107B VALID NOT	CARBON REMOVING COMPOUND, ORTHODICHLOROBENZEN	REQUIRES	353
20	MIL-C-83242 VALID NOTI	CORD, AROMATIC POLYAMIDE, NONMELTING	REQUIRES	745

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
20	MIL-STD-808A VALID NOT	FINISH, PROTECTIVE AND CODES FOR FINISHING SC	REQUIRES	1574, 643, and 771
20	WW-T-791A	TUBE, BRASS, SEAMLESS	TEST WITH	1411
25	MIL-STD-1517	PHASED PROVISIONING	TEST FOR	1342
68	MIL-C-87936A	CLEANING COMPOUNDS, AIRCRAFT EXTERIOR SURFACE	TEST WITH	643
68	MIL-P-26536D	PROPELLANT, HYDRAZINE	TEST FOR	373 and 682
68	MIL-P-87930	PROPELLANT, HYDRAZINE-WATER (70% HYDRAZINE- 3	TEST FOR	682 and 373
68	MIL-STD-1755	KEYS AND PINS PREFERRED FOR DESIGN, LISTING O	OPTIONAL	643
68	MIL-STD-1774 VALID NOT	PROCESS FOR CLEANING HYDRAZINE SYSTEMS AND CO	UNKNOWN	1574
70	MIL-N-38645	NAPALM B	REQUIRES	336
70	MIL-P-38633C VALID NOT	PRIMER, STAB, FOR WDU-4A/A WARHEAD	REQUIRES	1342
70	MIL-STD-865C	SELECTIVE (BRUSH PLATING), ELECTRODEPOSITION	REQUIRES	771 and 1574
71	MIL-A-27328 (6)	AMPLIFIER-INDICATOR GROUP, ALTITUDE-VERTICAL	REQUIRES	643
71	MIL-A-27670C (3)	AMPLIFIER-INDICATOR GROUP, INDICATED AIRSPEED	OPTIONAL	643
71	MIL-A-27671B (3)	AMPLIFIER-INDICATOR GROUP, ALTITUDE-VERTICAL	OPTIONAL	643
71	MIL-C-38037A (1)	COMPUTER, CENTRAL AIR DATA CPU-43/A	REQUIRES	643
71	MIL-C-38302A (1)	COMPUTER, BOMBING, FLIGHT DIRECTOR CP-734A/AJ	OPTIONAL	643
71	MIL-H-27269A (3)	HORIZONTAL SITUATION INDICATOR GROUP AF/24J-1	OPTIONAL	643
71	MIL-I-27193B (3)	INDICATOR, ATTITUDE ARU-2B/A	REQUIRES	643
71	MIL-I-27619G (3)	INDICATORS, ATTITUDE DIRECTOR	REQUIRES	643
71	MIL-I-27709A (4)	INDICATOR, ATTITUDE ARU-14/A, REMOTE	REQUIRES	643
71	MIL-I-27710C	INDICATOR, ATTITUDE, REMOTE	REQUIRES	643
71	MIL-I-27848A (7) CONT.	INDICATOR, HORIZONTAL SITUATION AQU-4/A	REQUIRES	643
71	MIL-I-38258 (3)	INDICATOR, ATTITUDE ARU-18/A, DIRECTOR	REQUIRES	643
71	MIL-I-38263 VALID NOTI	INDICATOR, ATTITUDE ARU-17/A, REMOTE	OPTIONAL	643
71	MIL-I-83117B	INDICATORS, ANGLE OF ATTACK	REQUIRES	643

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
71	MIL-S-38043 (3)	STARTER, ENGINE, AIR TURBINE STU-16/A	REQUIRES	643
71	MIL-T-25627C (2)	TRANSMITTER, SYNCHRO, ANGLE OF ATTACK OR SIDE	OPTIONAL	643
71	MIL-T-83174B (3)	TRANSMITTER, ACCELEROMETER, AXIAL	REQUIRES	643
71	MIL-T-83460 (3)	TRANSDUCER, MOTIONAL PICKUP TRU-164/A	REQUIRES	643
80	MIL-C-4928A (1)	CHARGER, BATTERY, SILICON DIODE, TYPE A-1	REQUIRES	643
80	MIL-G-6162B	GENERATORS AND STARTER-GENERATORS, ELECTRIC D	REQUIRES	643
80	MIL-P-38026A (4)	POWER SUPPLY ECU-23/A	OPTIONAL	643
82	MIL-B-83050D (1)	BOLT, SELF-RETAINING, IMPEDANCE TYPE	OPTIONAL	643
82	MIL-C-38271A VALID NOT	CONNECTOR, OXYGEN MASK TO REGULATOR CRU-60/F	OPTIONAL	643
82	MIL-C-7020G (1)	CLOTH, PARACHUTE, NYLON	TEST WITH	745
82	MIL-C-7350F VALID NOTI	CLOTH, PARACHUTE, NYLON	TEST WITH	745
82	MIL-C-7413B (1)	COUPLINGS, QUICK DISCONNECT, AUTOMATIC SHUTOF	REQUIRES	771 and 643
82	MIL-C-7460A	CHROMIUM PLATING, POROUS CHANNEL TYPE, AIRCRA	OPTIONAL	771
82	MIL-C-8021D (2)	CLOTH, PARACHUTE, NYLON, CARGO AND DECELERATI	TEST WITH	745
82	MIL-C-83867A	CONNECTOR, OXYGEN MASK HOSE NON-EJECTION TYPE	OPTIONAL	643
82	MIL-F-8378B REINST NOT	FREQUENCY METERS, AIRCRAFT 380 TO 420 HERTZ A	REQUIRES	643
82	MIL-G-16491F	GROMMET, METALLIC, GENERAL SPECIFICATION FOR	OPTIONAL	643 and 1574
82	MIL-H-6536C VALID NOTI	HORN AND VALVE, CREW MEMBERS RELIEF, PRESSURI	OPTIONAL	1574 and 643
82	MIL-I-5099B (1)	INDICATOR, CABIN AIR PRESSURE, 1-7/8 INCH DIA	REQUIRES	1194
82	MIL-P-6525C	PUMP, FUEL TRANSFER, AERIAL REFUELING, GENERA	REQUIRES	643
82	MIL-R-9198C	REGULATOR, OXYGEN, HIGH PRESSURE, TYPE MA-1	REQUIRES	643
82	MIL-S-25980A	SWITCH, FLOAT, AIRCRAFT FUEL LEVEL, GENERAL S	REQUIRES	771 and 643
82	MIL-S-26547C	STARTER-GENERATOR ENGINE STU-6A	REQUIRES	643 and 0
82	MIL-S-26716A VALID NOT	STAND, TEST, AIRCRAFT HYDRAULIC SYSTEMS, NON-	REQUIRES	643

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
82	MIL-S-8710B VALID NOTI	STRAINER, AIRFRAME FUEL SYSTEM, GENERAL SPECI	REQUIRES	643
82	MIL-T-38473A (2)	TIMER, PRECISION, BOMBING, 0-30 MINUTES	OPTIONAL	643
82	MIL-T-9026B (2)	TABLE, GYRO INSTRUMENT TESTING, TYPE MA-1	REQUIRES	643
82	MIL-V-6125D	VALVE, REGULATING, FLUID PRESSURE, TYPE C-1	REQUIRES	643
84	GGG-W-686D (2)	WRENCH, TORQUE	OPTIONAL	771
84	MIL-G-5634C (3)	GRAIN, ABRASIVE, SOFT, FOR CARBON REMOVAL	REQUIRES	2311
84	MIL-H-21303D VALID NOT	HOT CUPS, LIQUID, ELECTRIC	OPTIONAL	1574
84	MIL-P-83953A VALID NOT	PENCIL, AIRCRAFT MARKING	REQUIRES	1342
84	MIL-R-83936B (1)	REMOVER, PAINT, TANK TYPE; FOR AIRCRAFT WHEEL	TEST WITH	643
84	MIL-STD-1762	BEARINGS AND BUSHINGS, PLAIN, PREFERRED FOR D	OPTIONAL	643
84	MIL-STD-1762	BEARINGS AND BUSHINGS, PLAIN, PREFERRED FOR D	OPTIONAL	771
84	TT-C-542E	COATING, POLYURETHANE, OIL-FREE, MOISTURE CUR	TEST FOR	1342
84	TT-P-85E	PAINT, TRAFFIC AND AIRFIELD MARKING, SOLVENT	TEST FOR	336
85	MIL-C-27500G (1)	CABLE, POWER, ELECTRICAL AND CABLE SPECIAL PU	OPTIONAL	1574 and 0
85	MIL-C-83526A SUPP 1	CONNECTORS, FIBER OPTIC, CIRCULAR, ENVIRONMEN	REQUIRES	1194
85	MIL-H-87111A SUPP 1B	HEAT SINK, ELECTRICAL-ELECTRONIC COMPONENT GE	OPTIONAL	643
85	MIL-R-10509/13 VALID N	RESISTOR, FIXED, FILM (HIGH STABILITY) STYLE	REQUIRES	1342
85	MIL-R-10509/14 VALID N	RESISTOR, FIXED, FILM (HIGH STABILITY) STYLE	REQUIRES	1342
85	MIL-R-28776B SUPP 1	RELAYS, HYBRID, ESTABLISHED RELIABILITY GENER	REQUIRES	1194 and 1342
85	MIL-R-28894	RELAYS, HYBRID, SENSORS, ESTABLISHED RELIABIL	REQUIRES	1342 and 1194
85	MIL-R-5757G SUPP 1A	RELAYS, ELECTROMAGNETIC GENERAL SPECIFICATION	REQUIRES	1342 and 1194
85	MIL-R-83520	RELAYS, ELECTROMECHANICAL, GENERAL PURPOSE, N	REQUIRES	1194 and 1342
85	MIL-R-83536	RELAYS, ELECTROMAGNETIC, ESTABLISHED RELIABIL	REQUIRES	1194 and 1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
85	MIL-R-83726B SUPP 1B	RELAYS, HYBRID AND SOLID STATE, TIME DELAY, G	REQUIRES	1342 and 1194
85	MIL-S-5733B VALID NOTI	SOLENOID, FUSE ARMING, TYPE F-1	UNKNOWN	1342
AE	MIL-D-63057 VALID NOTI	DETONATOR, STAB, PA501 PARTS FOR LOADING, ASS	REQUIRES	1342
AE	MIL-P-63176 (2)	PRINTED WIRING BOARD	REQUIRES	1342
AK	MIL-I-46521D	IGNITER, PRIMER, ELECTRIC, M74 LOADING, ASSEM	TEST FOR	1342
AR	DOD-B-70331	BOLT, SELF-LOCKING, HEXAGON HEAD, STEEL, METR	REQUIRES	643
AR	DOD-C-70463 (1)	CARTRIDGE 5.56 MM: PLASTIC, BALL, PRACTICE, M	TEST WITH	1411
AR	DOD-N-63548	NUT, PLAIN, HEXAGON, WHEEL MOUNTING, METRIC,	REQUIRES	643
AR	DOD-N-70329	NUT, PLAIN, ROUND, BALL AND ROLLER BEARINGS,	REQUIRES	643
AR	DOD-N-70333	NUT, PLAIN AND SELF-LOCKING, CLINCH, METRIC (	OPTIONAL	643
AR	DOD-P-63464A SUPP 1A	PIN, GROOVED, HEADLESS-LONGITUDINAL GROOVE, M	REQUIRES	643
AR	DOD-P-63477 SUPP 1	PIN, SPRING, TUBULAR, (COILED AND SLOTTED), G	REQUIRES	643
AR	DOD-P-63478 VALID NOTI	PIN, STRAIGHT, HEADLESS (DOWEL), GENERAL SPEC	REQUIRES	643
AR	DOD-P-63479	PIN, STRAIGHT, HEADED (CLEVIS PIN) GENERAL SP	REQUIRES	643
AR	DOD-P-63542 VALID NOTI	PIN, GROOVED, HEADED-LONGITUDINAL GROOVE, MET	REQUIRES	643
AR	DOD-P-70330	PLUG, EXPANSION, METRIC, GENERAL SPECIFICATIO	REQUIRES	643
AR	DOD-S-63275A (1)	STUD, SCREW THREAD, LOCKED IN, RING LOCKED, S	REQUIRES	1574 and 643
AR	DOD-T-63549	THUMBSCREW, WING HEAD, METRIC, GENERAL SPECIF	REQUIRES	643
AR	DOD-W-63546A SUPP 1A	WASHER, KEY, METRIC GENERAL SPECIFICATION FOR	REQUIRES	643
AR	DOD-W-70336	WASHERS, LOCK (METRIC), GENERAL SPECIFICATIO	REQUIRES	643
AR	FF-B-575C	BOLTS, HEXAGON AND SQUARE	OPTIONAL	643
AR	FF-N-836D (3)	NUT: SQUARE, HEXAGON, CAP, SLOTTED, CASTLE KN	TEST WITH	1411
AR	FF-N-836D (3)	NUT: SQUARE, HEXAGON, CAP, SLOTTED, CASTLE KN	OPTIONAL	1574 and 643
AR	FF-N-845D	NUT, PLAIN, WING, INCH AND METRIC	OPTIONAL	1574 and 643
AR	FF-P-386D (1)	PIN, COTTER (SPLIT)	OPTIONAL	643 and 1574

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	FF-R-556D (1)	RIVET, SOLID, SMALL; RIVET, SPLIT, SMALL; RIV	OPTIONAL	1574 and 643
AR	FF-S-107C (2)	SCREWS, TAPPING AND DRIVE	OPTIONAL	643
AR	FF-S-111D (1)	SCREW, WOOD	REQUIRES	643
AR	FF-S-200A (2)	SETSCREWS: HEXAGON SOCKET AND SPLINE SOCKET,	OPTIONAL	643
AR	FF-S-210B	SETSCREWS: SQUARE HEAD (INCH) AND SLOTTED HEA	REQUIRES	1574
AR	FF-S-210B	SETSCREWS: SQUARE HEAD (INCH) AND SLOTTED HEA	OPTIONAL	643
AR	FF-S-760A (2)	STRAP, RETAINING, (METAL FOR CONDUIT, PIPE, A	TEST FOR	643
AR	FF-S-85C (1)	SCREW, CAP, SLOTTED AND HEXAGON HEAD	OPTIONAL	643
AR	FF-S-86E (2)	SCREW, CAP, SOCKET-HEAD	REQUIRES	643
AR	FF-S-88B	SCREW, EYE	OPTIONAL	643
AR	FF-S-92B (1)	SCREW, MACHINE: SLOTTED, CROSS-RECESSED OR HE	OPTIONAL	643 and 1574
AR	FF-T-305C	THUMBSCREW	OPTIONAL	643
AR	FF-W-100C (1)	WASHER, LOCK, TOOTH	REQUIRES	643
AR	FF-W-84A (3)	WASHERS, LOCK (SPRING)	OPTIONAL	643
AR	FF-W-92B	WASHER, FLAT (PLAIN)	OPTIONAL	1574
AR	FF-W-92B	WASHER, FLAT (PLAIN)	OPTIONAL	643
AR	JAN-A-183 (2)	ACID, NITRIC (FOR ORDNANCE USE)	TEST FOR	1342
AR	JAN-A-187	ACID, PICRIC (TRINITROPHENOL)	REQUIRES	1342
AR	JAN-H-257	HEXACHLORBENZENE	TEST FOR	336
AR	JAN-N-412A	NICKEL, POWDERED (FOR USE IN AMMUNITION)	REQUIRES	1574 and 1194
AR	JAN-S-627 VALID NOTICE	SOLDER; LOW-MELTING-POINT	TEST FOR	1342 and 643
AR	JAN-S-732 (1)	SHELLAC SOLUTIONS (FOR USE IN AMMUNITION)	TEST WITH	745
AR	MIL-A-159D INT AMD 1	ANTIMONY SULFIDE (FOR USE IN AMMUNITION)	TEST FOR	1342
AR	MIL-A-166C VALID NOTIC	AMMONIUM PICRATE (EXPLOSIVE D)	TEST FOR	745
AR	MIL-B-45908B	BOLT, EYE, GENERAL SPECIFICATION FOR	REQUIRES	643
AR	MIL-B-63086 (3)	BOOSTER ASSEMBLY FOR DEMOLITION KIT, CRATERIN	REQUIRES	1342
AR	MIL-C-0014003B	CAPS, BLASTING, SPECIAL	REQUIRES	1342
AR	MIL-C-10190D (1)	CARTRIDGE, CALIBER .50, BALL, M33	TEST WITH	1411

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-C-11042A	CONTAINERS, LEAD	REQUIRES	1342
AR	MIL-C-11233J	CARTRIDGE, PHOTOFLASH, M112A1 PARTS FOR AND L	TEST FOR	1342
AR	MIL-C-12779C VALID NOT	CARTRIDGE, BLANK, LINE THROWING CALIBER .45:	TEST WITH	1411
AR	MIL-C-12910F	CARTRIDGE, PHOTOFLASH, M112A1 PARTS FOR AND L	TEST FOR	1342
AR	MIL-C-1311E (2)	CARTRIDGE, CALIBER .45, BALL, M1911	TEST WITH	1411
AR	MIL-C-1313F VALID NOTI	CARTRIDGE, CALIBER .30, BALL, M2	TEST WITH	1411
AR	MIL-C-1314B (1)	CARTRIDGE, CALIBER .45, REFERENCE	TEST WITH	1411
AR	MIL-C-1317E (1)	CARTRIDGE, CALIBER .30, TRACER, M25	TEST WITH	1411
AR	MIL-C-1318B VALID NOTI	CARTRIDGE, CALIBER .50, TRACER, M17	TEST WITH	1411
AR	MIL-C-13739A VALID NOT	COMPOSITION, DELAY	TEST FOR	1574
AR	MIL-C-13931G	CANNON: GENERAL SPECIFICATION FOR	OPTIONAL	771
AR	MIL-C-14003A VALID NOT	CAPS, BLASTING, SPECIAL	REQUIRES	1342
AR	MIL-C-14858A (1)	CARTRIDGE, CALIBER .50: REFERENCE	TEST WITH	1411
AR	MIL-C-20470A (1)	CALCIUM RESINATE	TEST FOR	745
AR	MIL-C-3066B VALID NOTI	CARTRIDGE, CALIBER .50: ARMOR-PIERCING-INCEND	TEST WITH	1411
AR	MIL-C-3369C (1)	CARTRIDGE, CALIBER .30, CARBINE, BALL, M1	TEST WITH	1411
AR	MIL-C-3498B	CARTRIDGES, DUMMY (FOR SMALL ARMS)	TEST WITH	1411
AR	MIL-C-45420G VALID NOT	CAP, BLASTING, ELECTRIC, M4, ASSEMBLY, OR CAP	REQUIRES	1342
AR	MIL-C-45468E	CAP, BLASTING, ELECTRIC: M6 PARTS FOR, AND LO	REQUIRES	1342
AR	MIL-C-45469E	CAP, BLASTING, NON-ELECTRIC: M7 LOADING, ASSE	REQUIRES	1342
AR	MIL-C-46236	CASE, CARTRIDGE, 37MM, MK1A2	TEST WITH	1411
AR	MIL-C-46275A (1)	CASE, CARTRIDGE, 105MM, M150	TEST WITH	1411
AR	MIL-C-46276	CASE, CARTRIDGE, 105MM, M115	TEST WITH	1411
AR	MIL-C-46277B VALID NOT	CARTRIDGE, 7.62MM, NATO, BALL: M59	TEST WITH	1411
AR	MIL-C-46281F	CARTRIDGE, 7.62MM: NATO, TRACER, M62	TEST WITH	1411

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-C-46392 VALID NOTI	CARTRIDGE, REFERENCE, CALIBER .38, SPECIAL (M	TEST WITH	1411
AR	MIL-C-46396A VALID NOT	CARTRIDGE, CALIBER .50 SPOTTER TRACER: M48A1	TEST WITH	1411
AR	MIL-C-46397C (1)	CARTRIDGE, 5.56MM, REFERENCE	TEST WITH	1411
AR	MIL-C-46409C (1)	CARTRIDGE, CALIBER .38, SPECIAL, BALL, M41A1	TEST WITH	1411
AR	MIL-C-46477B VALID NOT	CARTRIDGE, 7.62MM, NATO, TEST, HIGH PRESSURE,	TEST WITH	1411
AR	MIL-C-46482B (2)	CARTRIDGE, CALIBER .45, BALL, M1911, MATCH GR	TEST WITH	1411
AR	MIL-C-46652 (2)	COMPOSITION B4	REQUIRES	774
AR	MIL-C-46680B	CARTRIDGE, CALIBER .30, MATCH, M72	TEST WITH	1411
AR	MIL-C-46931E	CARTRIDGE, 7.62MM: NATO, BALL, M80	TEST WITH	1411
AR	MIL-C-46932A VALID NOT	CARTRIDGE, 7.62MM, NATO, BALL, FRANGIBLE, M16	TEST WITH	1411
AR	MIL-C-46933A (5)	CARTRIDGE, 7.62MM, NATO, BLANK, M82	TEST WITH	1411
AR	MIL-C-46934B VALID NOT	CARTRIDGE, 7.62MM, NATO, MATCH, M118	TEST WITH	1411
AR	MIL-C-46936B (2)	CARTRIDGE, 5.56MM, TEST, HIGH PRESSURE, M197	TEST WITH	1411
AR	MIL-C-46939 VALID NOTI	CASE, CARTRIDGE, 90MM, M19	TEST WITH	1411
AR	MIL-C-46940 (4)	CASE, CARTRIDGE, 105MM, M14	TEST WITH	1411
AR	MIL-C-46954	CARTRIDGE, PHOTOFLASH, M143 PARTS FOR, AND LO	TEST FOR	1342
AR	MIL-C-48551 (2)	CARTRIDGE, CALIBER .38 SPECIAL BALL, PGU-12/B	TEST WITH	1411
AR	MIL-C-48868E	CHARGE, PROPELLING, M204 PARTS AND CONTAINER	TEST WITH	931
AR	MIL-C-48882D	CHARGE, PROPELLING, 81MM PARTS AND CONTAINER	TEST FOR	931
AR	MIL-C-50697	CORD, DETONATING	OPTIONAL	1342
AR	MIL-C-50703 VALID NOTI	CARTRIDGE, 7.62 X 39MM, BLANK	TEST WITH	1411
AR	MIL-C-50704 VALID NOTI	CARTRIDGE, 7.62MM: DIM TRACER, XM276	TEST WITH	1411
AR	MIL-C-50904	FUZE, ROCKET, M427, MOD 5 LESS BOOSTER AND BO	REQUIRES	1342
AR	MIL-C-50980A VALID NOT	CHARGE, PROPELLING, FOR USE WITH 105MM CARTRI	TEST FOR	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-C-60051 VALID NOTI	COMPOSITION 86/14 RDX/WAX	TEST FOR	336
AR	MIL-C-60111C (1)	CARTRIDGE, 5.56MM, TRACER, M196	TEST WITH	1411
AR	MIL-C-60161 VALID NOTI	CARTRIDGE, CALIBER .30, TEST, HIGH PRESSURE,	TEST WITH	1411
AR	MIL-C-60162 VALID NOTI	CARTRIDGE, CALIBER .50, TEST, HIGH PRESSURE,	TEST WITH	1411
AR	MIL-C-60163 (1)	CARTRIDGE, CALIBER .45, TEST, HIGH PRESSURE,	TEST WITH	1411
AR	MIL-C-60167	REINST NOT CARTRIDGE, CALIBER .50, TEST, HIGH PRESSURE,	TEST WITH	1411
AR	MIL-C-60168 VALID NOTI	CARTRIDGE, CALIBER .50, PRACTICE, T249E2	TEST WITH	1411
AR	MIL-C-60251A VALID NOT	CARTRIDGE, 7.62MM, NATO, BALL, M80 OVERHEAD F	TEST WITH	1411
AR	MIL-C-60252A VALID NOT	CARTRIDGE, 7.62MM, NATO, TRACER, M62 OVERHEAD	TEST WITH	1411
AR	MIL-C-60272 VALID NOTI	CARTRIDGE, CALIBER .30, REFERENCE	TEST WITH	1411
AR	MIL-C-60537 (4)	CARTRIDGE; GRENADE: 5.56MM, M195	TEST WITH	1411
AR	MIL-C-60562A VALID NOT	CASE, CARTRIDGE, 30MM: XM193	TEST WITH	1411
AR	MIL-C-60616C	CARTRIDGE, 5.56MM, BLANK: M200	TEST WITH	1411
AR	MIL-C-60617A VALID NOT	CARTRIDGE, 7.62MM, NATO, ARMOR PIERCING, M61	TEST WITH	1411
AR	MIL-C-60808A	CARTRIDGE, CALIBER .45, REFERENCE	TEST WITH	1411
AR	MIL-C-60813 REINST NOT	CARTRIDGE, CALIBER .50, SPOTTER-TRACER, M48A2	TEST WITH	1411
AR	MIL-C-60832 VALID NOTI	CARTRIDGE, CALIBER .30, BALL: M2 OVERHEAD FIR	TEST WITH	1411
AR	MIL-C-60896A (1)	CARTRIDGE, 7.62MM, NATO, REFERENCE	TEST WITH	1411
AR	MIL-C-63346 VALID NOTI	CHARGE, PROPELLING, 155MM, XM211 LOADING, ASS	REQUIRES	1342
AR	MIL-C-63450 VALID NOTI	CARTRIDGE, 7.62MM, MATCH, XM852	TEST WITH	1411
AR	MIL-C-70462C (3)	CHARGE, PROPELLING, 155MM, M203A1 LOADING, AS	TEST FOR	1342
AR	MIL-C-70474 (3)	CHARGE, PROPELLING, M205, PAPER PREFORM PROCE	TEST FOR	931

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-C-70501 (3)	CHARGE, PROPELLING, M204, PAPER PREFORM PROCE	TEST FOR	931
AR	MIL-C-70508 (6)	CARTRIDGE, 9MM, BALL, NATO, XM882	TEST WITH	1411
AR	MIL-C-70509 (3)	CARTRIDGE, 9MM, TEST, HIGH PRESSURE, XM905	TEST WITH	1411
AR	MIL-C-70621	CARTRIDGE, 9MM, BALL, REFERENCE	TEST WITH	1411
AR	MIL-C-70663	CARTRIDGE, CALIBER .50, SLAP (SABOTED LIGHT A	TEST WITH	1411
AR	MIL-C-70729	CHARGE PROOF, 155MM, PXR-6297A1 LOADING, ASSE	TEST FOR	1342
AR	MIL-C-743A VALID NOTIC	CARTRIDGE, CALIBER .30, CARBINE, TEST, HIGH P	TEST WITH	1411
AR	MIL-C-9963F	CARTRIDGE, 5.56MM, BALL, M193	TEST WITH	1411
AR	MIL-D-12798C VALID NOT	DETONATOR, FLASH, M49 PARTS FOR, LOADING, ASS	REQUIRES	1342
AR	MIL-D-13138	DETONATOR FOR M204A1 AND M206A1 HAND GRENADE	REQUIRES	1342
AR	MIL-D-13670C	DETONATOR, STAB, M63 PARTS FOR LOADING, ASSEM	REQUIRES	1342
AR	MIL-D-13684D REINST NO	DETONATOR ELECTRIC: M48 PARTS FOR AND LOADING	REQUIRES	1342
AR	MIL-D-14140C VALID NOT	DETONATOR, FLASH: M80 PARTS FOR AND LOADING,	REQUIRES	1342
AR	MIL-D-14978A (4)	DETONATOR, STAB, M55 LOADING, ASSEMBLING AND	REQUIRES	1342
AR	MIL-D-20305 VALID NOTI	DIMETHYLANILINE	REQUIRES	373
AR	MIL-D-2087C VALID NOTI	DEMOLITION KIT, TORPEDO BANGALORE, M1A2, HE L	TEST WITH	1194
AR	MIL-D-45441D VALID NOT	DETONATOR, STAB, M61 PARTS FOR AND LOADING, A	REQUIRES	1342
AR	MIL-D-45483B VALID NOT	DETONATOR, STAB, M46 LOADING, ASSEMBLING AND	REQUIRES	1342
AR	MIL-D-45495A (1)	DETONATOR, ELECTRIC, M84 PARTS FOR LOADING, A	REQUIRES	1342
AR	MIL-D-46209C VALID NOT	DETONATOR, STAB: M44E1 PARTS FOR AND LOADING,	REQUIRES	1342
AR	MIL-D-46219B	DETONATOR, STAB, M22 PARTS FOR LOADING, ASSEM	TEST FOR	1342 and 1342
AR	MIL-D-46256B NOTICE 2	DETONATOR STAB M24 PARTS FOR, AND LOADING, AS	REQUIRES	1342
AR	MIL-D-46262A VALID NOT	DETONATOR, STAB, M20 LOADING, ASSEMBLING AND	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-D-46282 VALID NOTI	DETONATOR, STAB: M23 LOADING, ASSEMBLING AND	REQUIRES	1342
AR	MIL-D-46284 VALID NOTI	DETONATOR, STAB, M45 LOADING, ASSEMBLING AND	REQUIRES	1342
AR	MIL-D-46286 VALID NOTI	DETONATOR, FLASH, M21 LOADING, ASSEMBLING AND	REQUIRES	1342
AR	MIL-D-46404 VALID NOTI	DETONATOR, STAB, M13 LOADING, ASSEMBLING AND	REQUIRES	1342
AR	MIL-D-46406B VALID NOT	DETONATOR, FLASH: M17 PARTS FOR AND LOADING,	REQUIRES	1342
AR	MIL-D-46432B VALID NOT	DETONATOR, STAB, M18 LOADING, ASSEMBLING AND	REQUIRES	1342
AR	MIL-D-46462B VALID NOT	DETONATOR, STAB, M192A2, LOADING, ASSEMBLING	REQUIRES	1342
AR	MIL-D-46486F VALID NOT	DELAY ELEMENT, M2, PARTS FOR, LOADING ASSEMBL	REQUIRES	1342
AR	MIL-D-46647B VALID NOT	DETONATOR, STAB, XM58, LOADING, ASSEMBLING AN	REQUIRES	1342
AR	MIL-D-46653B VALID NOT	DETONATOR, M31A1 PARTS FOR, AND LOADING ASSEM	REQUIRES	1342
AR	MIL-D-48016 (1)	DASHPOT ASSEMBLY ATOMIC WEAPON	REQUIRES	771
AR	MIL-D-48025A (1)	DETONATOR, STAB, M99 PARTS FOR AND LOADING, A	REQUIRES	1342
AR	MIL-D-48111A VALID NOT	DETONATOR, STAB, M94, PARTS FOR AND LOADING,	REQUIRES	1342
AR	MIL-D-48120A (2)	DETONATOR, ELECTRIC M100 PARTS FOR AND LOADIN	REQUIRES	1342
AR	MIL-D-48175B	DETONATOR, ELECTRIC, PATRIOT PARTS, ASSEMBLIN	REQUIRES	1342
AR	MIL-D-48865 VALID NOTI	DETONATOR, ELECTRIC, PA500 PARTS FOR, LOADING	REQUIRES	1342
AR	MIL-D-48888 VALID NOTI	DETONATOR, FLASH, PA504 FOR MINE, ANTIPERSONN	REQUIRES	1342
AR	MIL-D-50420A (1)	DETONATOR, STAB, M98 (T83E1) PARTS FOR, AND L	REQUIRES	1342
AR	MIL-D-50476	DETONATOR, ELECTRIC, M78E1 PARTS AND LOADING,	REQUIRES	1342
AR	MIL-D-50540	DETONATOR, FLASH, XM97 PARTS FOR, AND LOADING	REQUIRES	1342
AR	MIL-D-50584 (1)	DELAY DETONATOR ASSEMBLY (DWG. C-9207798)	TEST FOR	1342
AR	MIL-D-50865A (2)	DETONATOR, STAB, M59 LOADING, ASSEMBLING AND	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-D-50868A VALID NOT	DETONATOR, FLASH, M85 PARTS AND LOADING, ASSE	REQUIRES	1342
AR	MIL-D-50978A	DETONATOR, FLASH, M86 PARTS FOR, LOADING, ASS	REQUIRES	1342
AR	MIL-D-50998 (1)	DETONATOR, STAB, M76	TEST FOR	1342
AR	MIL-D-60014B	DETONATOR, STAB M47, PARTS FOR AND LOADING, A	REQUIRES	1342
AR	MIL-D-60031A (1)	DETONATOR, ELECTRIC, M69 LOADING, ASSEMBLING	REQUIRES	1342
AR	MIL-D-60093A VALID NOT	DETONATOR, STAB, M50 PARTS FOR AND LOADING, A	REQUIRES	1342
AR	MIL-D-60095 (1)	DETONATOR, ELECTRIC, XM65 LOADING, ASSEMBLING	REQUIRES	1342
AR	MIL-D-60329 VALID NOTI	DETONATOR, STAB, T37 LOADING, ASSEMBLING AND	REQUIRES	1342
AR	MIL-D-60362A VALID NOT	DETONATOR, STAB, M42 PARTS FOR AND LOADING, A	REQUIRES	1342
AR	MIL-D-60388B VALID NOT	DETONATOR, FLASH, M87 PARTS FOR LOADING, ASSE	REQUIRES	1342
AR	MIL-D-60573 (1)	DUMMY CARTRIDGE, 7.62MM, M172, INERT LOADED	TEST WITH	1411
AR	MIL-D-63058 VALID NOTI	DETONATOR, FLASH, PA502 PARTS FOR LOADING, AS	REQUIRES	1342
AR	MIL-D-63059 VALID NOTI	DETONATOR, STAB, PA503 PARTS FOR LOADING, ASS	REQUIRES	1342
AR	MIL-D-63197 VALID NOTI	DETONATOR, DELAY ELECTRIC: PA506 PARTS FOR, L	REQUIRES	1342
AR	MIL-D-70432	DETONATOR, ELECTRIC, PA526 (XM70) LOADING, AS	REQUIRES	1342
AR	MIL-D-70436 (2)	DETONATOR ASSEMBLY FOR FUZE, POINT DETONATING	REQUIRES	1342
AR	MIL-D-70603 (1)	DETONATOR, STAB, PA523 LOADING, ASSEMBLING, A	REQUIRES	1342
AR	MIL-D-70826	DETONATOR, ELECTRIC, PA537 PARTS FOR AND LOAD	REQUIRES	1342
AR	MIL-D-98A	DIPHENYLAMINE, TECHNICAL	TEST FOR	373
AR	MIL-E-22267A VALID NOT	EXPLOSIVE COMPOSITION, HBX TYPE	TEST WITH	336 and 373
AR	MIL-E-463B VALID NOTIC	ETHYL ALCOHOL (FOR ORDINANCE USE)	TEST FOR	336
AR	MIL-E-63399B (7)	ELECTRONICS-MCD ASSEMBLY FOR MINE, ANTITANK:	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-F-10073 VALID NOTI	FUZE, MECHANICAL TIME AND SUPERQUICK, M502, L	REQUIRES	1342
AR	MIL-F-14788	FABRICATED PARTS, SILICONE RUBBER (FOR USE IN	REQUIRES	2348
AR	MIL-F-18698 REINST NOT	FUZE, DETONATING, MARK 27 MOD 0 AND MOD 1 (40	REQUIRES	1342
AR	MIL-F-20423D (1)	FUZE, BASE DETONATING, M91A2 LOADING, ASSEMBL	REQUIRES	1342
AR	MIL-F-2098D CANC NOTIC	FUZE, PD, M503A2, LESS PELLETS, BOOSTER AND B	REQUIRES	1342
AR	MIL-F-45465F (2)	FUZE, PD, M524A6 LOADING, ASSEMBLING AND PACK	REQUIRES	1342
AR	MIL-F-46485D VALID NOT	FUZE, BASE DETONATING, M534A1 PARTS - WITH DE	REQUIRES	1342
AR	MIL-F-46570D VALID NOT	FUZE, DEMOLITION KIT, M1134 WITH DETONATORS P	REQUIRES	1342
AR	MIL-F-46571E VALID NOT	FUZE, DEMOLITION KIT, M1134 LOADING, ASSEMBLI	REQUIRES	1342
AR	MIL-F-48033	FUZE, POINT INITIATING, BASE DETONATING M539,	REQUIRES	1342
AR	MIL-F-48057B (7)	FUZE, ROCKET, PIBD, M438 SUB-ASSEMBLY WITH DE	REQUIRES	1342
AR	MIL-F-48067 VALID NOTI	FUZE, ROCKET, POINT DETONATING SQ AND DELAY,	REQUIRES	1342
AR	MIL-F-48172 (4)	FUZE, PD, M935 LOADING, ASSEMBLING AND PACKIN	REQUIRES	1342
AR	MIL-F-48267 VALID NOTI	FUZE TIMER, MINE (INTEGRATED CIRCUIT)	REQUIRES	1342
AR	MIL-F-48277B (4)	FUZE, POINT DETONATING, M739 LESS BOOSTER PEL	REQUIRES	1342
AR	MIL-F-48293A VALID NOT	FUZE ASSEMBLY FOR M56 ANTI-TANK MINE	REQUIRES	1342
AR	MIL-F-48370A (2)	FUZE, M934E6, HYBRID MICROCIRCUITS FOR	OPTIONAL	1342
AR	MIL-F-48373A	FUZE, POINT DETONATING, M739 LOADING, ASSEMBL	REQUIRES	1342
AR	MIL-F-48388A (1)	FUZE, M934E6, LAUNCH SENSING SWITCH FOR	REQUIRES	1342
AR	MIL-F-487018 VALID NOT	FUZE SETTER: M36	REQUIRES	1342
AR	MIL-F-48702 VALID NOTI	FUZE, ELECTRONIC TIME: M724	REQUIRES	1342
AR	MIL-F-487048 (1)	FUZE SETTER: M38	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-F-48708B (1)	FUZE, MULTI-OPTION: M734 (LOADING, ASSEMBLING	REQUIRES	1342
AR	MIL-F-48863C (2)	FUZE, GUIDED MISSILE, M934E6 PARTS ASSEMBLY,	REQUIRES	1342
AR	MIL-F-50274 VALID NOTI	FUZES, GRENADE, H.E. M218, M219 AND XM224 LEA	REQUIRES	1342
AR	MIL-F-50421 VALID NOTI	FUZE, XM596; SETBACK PIN AND HOUSING ASSEMBLY	TEST FOR	643
AR	MIL-F-50454A (5)	FUZE, GRENADE, M219E1 LOADING, ASSEMBLING, AN	UNKNOWN	1342
AR	MIL-F-50532A	FUSE, ROCKET, BASE DETONATING XM434 ASSEMBLIN	REQUIRES	1342
AR	MIL-F-50548A (4)	FUZES, ROCKET, M423 AND M427 LESS BOOSTER AND	REQUIRES	1342
AR	MIL-F-50823A VALID NOT	FUZE, GM, ET, LANCE, M811 PARTS, LOADING, ASS	REQUIRES	1342
AR	MIL-F-50828F (2)	FUZE, MULTI-OPTION: M734 (LESS BOOSTER AND LE	REQUIRES	1342
AR	MIL-F-50905	FUZE, ROCKET, M427, MOD 5 LOADING, ASSEMBLING	REQUIRES	1342
AR	MIL-F-50945D (3)	FUZE, PD, M567/XM935 (M935) LESS BOOSTER	REQUIRES	1342
AR	MIL-F-50988B (1)	FUZE, PD, M567 LOADING, ASSEMBLING AND PACKIN	REQUIRES	1342
AR	MIL-F-50990	FUZE, BOMB: MECHANICAL NOSE, THERMALLY PROTEC	REQUIRES	1342
AR	MIL-F-50994 (1)	FUZE, ROCKET, M423, MODIFIED (BUNKER) LESS BO	REQUIRES	1342
AR	MIL-F-60041B (1)	FUZE, BASE DETONATING, M578 LOADING, ASSEMBLI	REQUIRES	1342
AR	MIL-F-60042B (1)	FUZE, BASE DETONATING, M578 PARTS - WITH DETO	REQUIRES	1342
AR	MIL-F-60320 (1)	FUZE, POINT DETONATING, M527B1 LOADING, ASSEM	REQUIRES	1342
AR	MIL-F-60323A VALID NOT	FUZE, PD, M525, M526 AND M527B1 LESS HEAD ASS	REQUIRES	1342
AR	MIL-F-60342A (2)	FUZE, POINT DETONATING, M525 LOADING, ASSEMBL	REQUIRES	1342
AR	MIL-F-60965 VALID NOTI	FUZE, ELECTRONIC TIME: M587 (LESS BOOSTER PEL	REQUIRES	1342
AR	MIL-F-60988B	FUZE, PD, M551 LESS BOOSTER	TEST FOR	643 and 1342
AR	MIL-F-63051A (1)	FUZE, M934 SERIES, ACTUATORS FOR	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-F-63232A (2)	FUZE, PIBD, M740, FUZE MODULE FOR	REQUIRES	1342
AR	MIL-F-63253 VALID NOTI	FUZE, BASE DETONATING, M578 LOADING, ASSEMBLI	REQUIRES	1342
AR	MIL-F-63270 (2)	FUZE, POINT INITIATING, BASE DETONATING M509A	REQUIRES	1342
AR	MIL-F-63271A (2)	FUZE, POINT INITIATING BASE DETONATING M509A2	REQUIRES	1342
AR	MIL-F-63281A (1)	FUZE, ROCKET: M433 LESS BOOSTER AND BOOSTER L	REQUIRES	1342
AR	MIL-F-63446A (8)	FUZES, GENERAL PURPOSE GRENADE: M230 AND M231	REQUIRES	1342
AR	MIL-F-63499 (5)	FUZE, POINT INITIATING BASE DETONATING, XM764	REQUIRES	1342
AR	MIL-F-63518A (5)	FUZE, POINT DETONATING, M739A1 LESS BOOSTER P	REQUIRES	1342
AR	MIL-F-63519 (3)	FUZE, POINT DETONATING, M739A1 LOADING, ASSEM	REQUIRES	1342
AR	MIL-F-70435 (6)	FUZE, POINT DETONATING, M759	REQUIRES	1342
AR	MIL-F-70613 (3)	FUZE, PD, M936 LOADING, ASSEMBLING AND PACKIN	REQUIRES	1342
AR	MIL-F-70676	FERRIC ACETYLACETONATE	TEST WITH	931 and 1342
AR	MIL-F-70737	FUZE, DEMOLITION KIT, M1134A3 LOADING ASSEMBL	REQUIRES	1342
AR	MIL-F-70757	FUZE, DEMOLITION KIT, M1134A2 LOADING ASSEMBL	REQUIRES	1342
AR	MIL-F-70758	FUZE, DEMOLITION KIT, M1134A2 WITH DETONATORS	REQUIRES	1342
AR	MIL-F-70807 (3)	FUZE, PD: M745 (LESS BOOSTER AND LEAD)	REQUIRES	1342
AR	MIL-F-70808A	FUZE, PD: M745 (LOADING, ASSEMBLING, AND PACK	REQUIRES	1342
AR	MIL-G-63386 VALID NOTI	GAS GENERATOR ASSEMBLY	REQUIRES	1342
AR	MIL-H-48384	HOUSING, TIMING AND FUZING; IGNITOR ASSEMBLY	REQUIRES	1342
AR	MIL-H-9859A	HANDWHEELS	OPTIONAL	643
AR	MIL-I-45914 (1)	INSERT, SCREW THREAD - LOCKED IN, KEY LOCKED	REQUIRES	1342 and 643
AR	MIL-I-45932 VALID NOTI	INSERT, SCREW THREAD, THIN WALL, LOCKED IN: G	OPTIONAL	1342 and 643
AR	MIL-I-45934 SUPP 1	INSERT, SCREW THREAD, KEYRING LOCKED, SELF LO	OPTIONAL	643 and 1342
AR	MIL-I-46224E	IGNITER, ELECTRIC, PRIMER, M63, PARTS FOR, AN	TEST FOR	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-I-46434C VALID NOT	IGNITER, ELECTRIC, M59, PARTS FOR AND LOADING	REQUIRES	1342
AR	MIL-I-50867B (1)	IGNITION ELEMENT ELECTRICAL LOADING ASSEMBLIN	TEST FOR	1342
AR	MIL-L-0016355D	LEAD STYPHNATE, BASIC	TEST FOR	1342
AR	MIL-L-13788 VALID NOTI	LEAD SALICYLATE	REQUIRES	1342
AR	MIL-L-14758 (2)	LEAD AZIDE (SPECIAL PURPOSE) (FOR USE IN AMMU	REQUIRES	1342
AR	MIL-L-16355C (1)	LEAD STYPHNATE, BASIC	TEST FOR	1342
AR	MIL-L-46225C (3)	LEAD AZIDE RD-1333 (FOR USE IN AMMUNITION)	REQUIRES	1342
AR	MIL-L-46496 VALID NOTI	LEAD MONONITRORESORCINATE (LMNR)	REQUIRES	1342
AR	MIL-L-48066B	LEAD, EXPLOSIVE, PA 510 (SEE 6.8) PARTS FOR,	REQUIRES	1342
AR	MIL-L-48176B (2)	LINER (TITANIUM DIOXIDE AND WAX) FOR USE IN C	REQUIRES	1342
AR	MIL-L-48768 VALID NOTI	LITHIUM RESERVE BATTERY ELECTROLYTE	TEST FOR	374
AR	MIL-L-65A	LEAD THIOCYANATE (SULPHOCYANATE)	REQUIRES	1342
AR	MIL-L-70828	LEAD, EXPLOSIVE, PA534 PARTS FOR AND LOADING,	REQUIRES	1342
AR	MIL-L-757A VALID NOTIC	LEAD STYPHNATE, NORMAL	REQUIRES	1342
AR	MIL-L-758A	LEAD STEARATE (FOR USE IN AMMUNITION)	REQUIRES	1342
AR	MIL-M-45174B	MINE, ANTIPERSONNEL, M16A1 LOADING, ASSEMBLIN	TEST WITH	1342
AR	MIL-M-46263 VALID NOTI	MAX-2 EXPLOSIVE	REQUIRES	771 and 0
AR	MIL-M-46696D (4)	MINE, ANTIPERSONNEL, M16A2, LOADING, ASSEMBLI	OPTIONAL	1342
AR	MIL-M-48184A	MUNITION FOR PROJECTILE, 155MM, M692/M731; LE	REQUIRES	1342
AR	MIL-M-542A (2)	MAGNESIUM STEARATE (FOR USE IN AMMUNITION)	TEST FOR	745
AR	MIL-M-63287 (3)	MINE, ANTIPERSONNEL, XM74 (M74) METAL PARTS F	REQUIRES	1342
AR	MIL-M-64023A CONT. DIS	MINE, GROUND: ANTIPERSONNEL, HE LOADING, ASSE	TEST FOR	1342
AR	MIL-N-45913B	NUTS, SELF-LOCKING, HEXAGON, PREVAILING TORQU	OPTIONAL	643
AR	MIL-N-45938 VALID NOTI	NUT, PLAIN, CLINCH AND NUT, SELF-LOCKING, CLI	OPTIONAL	643
AR	MIL-N-494A (7)	NITROGUANIDINE	TEST WITH	774

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-P-10971E (2)	PIN, SPRING, TUBULAR (COILED AND SLOTTED)	OPTIONAL	643
AR	MIL-P-12951F REINST NO	PRIMER, PERCUSSION, M39A1 PARTS FOR, AND LOAD	TEST FOR	1342
AR	MIL-P-13392B (3)	PRIMER, PERCUSSION, M54 PARTS FOR AND LOADING	TEST FOR	1342
AR	MIL-P-14100	PRIMERS, STAB TYPE, LOADING, ASSEMBLING AND P	REQUIRES	1342
AR	MIL-P-14137B VALID NOT	PRIMER, STAB, M106, PARTS FOR, LOADING, ASSEM	REQUIRES	1342
AR	MIL-P-14139A VALID NOT	PRIMER, STAB, M72 LOADING, ASSEMBLING AND PAC	TEST FOR	1342
AR	MIL-P-16610B	PIN, TAPERED, PLAIN	OPTIONAL	643
AR	MIL-P-20444C	PRIMER, PERCUSSION, M42 PARTS FOR AND LOADING	TEST FOR	1342
AR	MIL-P-20449C VALID NOT	PRIMER, PERCUSSION, M61 PARTS AND LOADING, AS	TEST FOR	1342
AR	MIL-P-20700A	PIN, GROOVED, HEADLESS, LONGITUDINAL GROOVE	OPTIONAL	643
AR	MIL-P-21143B (2)	PIN, STRAIGHT, HEADLESS (DOWEL) GENERAL SPECI	OPTIONAL	643
AR	MIL-P-223B (3)	POWDER, BLACK	TEST WITH	1194
AR	MIL-P-23929A	PROPELLANT, H8	REQUIRES	1342
AR	MIL-P-2496D (1)	PRIMER, PERCUSSION, M29A1 PARTS AND LOADING,	REQUIRES	1342
AR	MIL-P-27235A	PINS, STRAIGHT, HEADED (CLEVIS PINS)	REQUIRES	643
AR	MIL-P-45460A	PROPELLANT, T2	TEST FOR	1342
AR	MIL-P-45952	PIN, QUICK-RELEASE, DETENT GENERAL SPECIFICAT	OPTIONAL	643
AR	MIL-P-46269 VALID NOTI	PRIMER, PERCUSSION, ELECTRIC, M75 METAL PARTS	TEST WITH	1411
AR	MIL-P-46279	PRIMER, PERCUSSION, ELECTRIC, M75 LOADING, AS	REQUIRES	1342
AR	MIL-P-46297C VALID NOT	PRIMER, PERCUSSION, M82 METAL PARTS FOR	TEST WITH	1411
AR	MIL-P-46425A VALID NOT	PRIMER, PERCUSSION, M35 LOADING, ASSEMBLING A	REQUIRES	1342
AR	MIL-P-48077 VALID NOTI	PRIMER: M104, PARTS FOR AND LOADING, ASSEMBLI	REQUIRES	1342
AR	MIL-P-48166 VALID NOTI	PRIMER, PERCUSSION, M98 LOADING, ASSEMBLING,	REQUIRES	1342
AR	MIL-P-48534 (2)	PRINTED WIRING BOARD	REQUIRES	1342
AR	MIL-P-48760 VALID NOTI	PRIMER, STAB: M56 PARTS FOR AND LOADING, ASSE	TEST FOR	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-P-48764A (4)	PROJECTILE, 155MM, HE, ROCKET ASSISTED M549 &	TEST FOR	1342
AR	MIL-P-50570A (7)	PROJECTILE, 155MM, HE, ROCKET ASSISTED M549 &	TEST FOR	771
AR	MIL-P-50573C (4)	PROJECTILE, 155MM, HE, ROCKET ASSISTED M549 &	TEST FOR	1342
AR	MIL-P-60026 VALID NOTI	PRIMER, STAB M97 LOADING, ASSEMBLING AND PACK	REQUIRES	1342
AR	MIL-P-60049A VALID NOT	PRIMER, STAB 26 PARTS FOR, LOADING, ASSEMBLIN	TEST FOR	1342
AR	MIL-P-60321 VALID NOTI	PRIMER, STAB, T103E1 LOADING, ASSEMBLING AND	TEST FOR	1342
AR	MIL-P-60345 VALID NOTI	PRIMER, STAB M45 LOADING, ASSEMBLING AND PACK	TEST FOR	1342
AR	MIL-P-60432C VALID NOT	PROPELLANT POWDER FOR USE IN BASE GRAIN, AHH	TEST FOR	1342
AR	MIL-P-60454 VALID NOTI	PRIMER, PERCUSSION, MARK 2A4	TEST WITH	1411
AR	MIL-P-60463B VALID NOT	PROPELLANT POWDER FOR USE IN BASE GRAIN OGK	TEST FOR	1342
AR	MIL-P-63074A (4)	PRIMER, ELECTRIC, M120 LOADING ASSEMBLING AND	TEST FOR	1342
AR	MIL-P-63138 (6)	PROJECTILE, 8-INCH HE, RA, M650 PROPELLANT GR	TEST FOR	1342
AR	MIL-P-63140A (4)	PROJECTILE, 8-INCH, HE, RA, M650 DELAY ASSEMB	TEST FOR	771
AR	MIL-P-63159 VALID NOTI	PROPELLANT GRAIN M753 8 INCH PROJECTILE	TEST FOR	1342
AR	MIL-P-63198 VALID NOTI	PRIMER, STAB: PA505 PARTS FOR, AND LOADING, A	REQUIRES	1342
AR	MIL-P-63297	PRIMER, STAB, PA515	REQUIRES	1342
AR	MIL-P-63311 (3)	PRIMER, ELECTRIC, M83 LOADING, ASSEMBLING AND	TEST FOR	1342
AR	MIL-P-63313 (5)	PRIMER, ELECTRIC, M80A1 LOADING, ASSEMBLING A	TEST FOR	1342
AR	MIL-P-63316 VALID NOTI	PRIMER, BATTERY, ELECTRIC PARTS FOR, AND LOAD	REQUIRES	1342
AR	MIL-P-70451 (1)	PRIMER, ELECTRIC, M125 LOADING, ASSEMBLING AN	TEST FOR	1342
AR	MIL-R-12744A VALID NOT	RELAY, MI LOADING, ASSEMBLING AND PACKING	REQUIRES	1342
AR	MIL-R-27384B	RIVET, BLIND, DRIVE TYPE	REQUIRES	643
AR	MIL-R-46448 VALID NOTI	RELAY: M2 LOADING, ASSEMBLING AND PACKING	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-R-46449 VALID NOTI	RELAY: M3 LOADING, ASSEMBLING AND PACKING	REQUIRES	1342
AR	MIL-R-46450 VALID NOTI	RELAY: M4 LOADING, ASSEMBLING AND PACKING	REQUIRES	1342
AR	MIL-R-46451 VALID NOTI	RELAY: M5 LOADING, ASSEMBLING AND PACKING	REQUIRES	1342
AR	MIL-R-46453D VALID NOT	RELAY, M7, PARTS FOR LOADING, ASSEMBLING AND	TEST FOR	1342
AR	MIL-R-46903B	RELAY, EXPLOSIVE, XM10 LOADING, ASSEMBLING AN	REQUIRES	1342
AR	MIL-R-60443 VALID NOTI	RELAY, EXPLOSIVE, XM11	REQUIRES	1342
AR	MIL-R-60864 VALID NOTI	RESORCINOL	TEST FOR	2427
AR	MIL-R-63419 VALID NOTI	RDX/VINYL CHLORIDE COPOLYMER EXPLOSIVE COMPOS	TEST WITH	2311
AR	MIL-STD-1234 NOTICE 3	PYROTECHNICS: SAMPLING, INSPECTION AND TESTIN	TEST WITH	1342, 682, 1574, and 0
AR	MIL-STD-1258 VALID NOT	CHROMIUM PLATED 5.56MM, 7.62MM, AND CALIBER	TEST FOR	771
AR	MIL-STD-1316C NOTICE 2	FUZE DESIGN, SAFETY CRITERIA FOR	REQUIRES	1342
AR	MIL-STD-286B NOTICE 4	PROPELLANTS, SOLID: SAMPLING, EXAMINATION AND	TEST FOR	1342, 682, and 1342
AR	MIL-STD-29A	SPRINGS, MECHANICAL; DRAWING REQUIREMENTS FOR	OPTIONAL	1574
AR	MIL-STD-320A NOTICE 1	FUZE EXPLOSIVE COMPONENT TERMINOLOGY DIMENSIO	REQUIRES	1342
AR	MIL-STD-331B	FUZE AND FUZE COMPONENTS, ENVIRONMENTAL AND P	REQUIRES	1342
AR	MIL-STD-650 INT NOTICE	EXPLOSIVE: SAMPLING, INSPECTION AND TESTING	REQUIRES	1342 and 1194
AR	MIL-S-12204C	SOLDER, LEAD-TIN ALLOY	REQUIRES	1342
AR	MIL-S-20322B INT AMD 1	STRONTIUM NITRATE, ANHYDROUS	TEST FOR	1342
AR	MIL-S-21472C	SCREW, SHOULDER, HEXAGON SOCKET-HEAD AND SLOT	REQUIRES	643
AR	MIL-S-45885	SWITCH, ROTARY	REQUIRES	643

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AR	MIL-S-45909C SUPP 1	STUD, LOCKED IN, RING LOCKED, SERRATED, GENER	OPTIONAL	1574
AR	MIL-S-45933 SUPP 1	STUD, KEYRING LOCKED, 125 AND 160 KSI, FTU: G	OPTIONAL	643
AR	MIL-T-13452A	TAPE, TEXTILE, COTTON FOR BANDOLEERS	REQUIRES	1342
AR	MIL-T-48415 REINST NOT	TRACER, PROJECTILE, M3A1, ASSEMBLY PARTS FOR,	TEST WITH	1411
AR	MIL-T-60895 (5)	TELESCOPE, PANORAMIC: M117A1	UNKNOWN	1342
AR	MIL-V-13811D	VARNISH, WATERPROOFING, ELECTRICAL, IGNITION	TEST WITH	2427
AR	MIL-W-12133C SUPP 1	WASHER, SPRING TENSION GENERAL SPECIFICATION	REQUIRES	643
AR	MIL-W-45595D SUPP 1	WASHERS, SHOULDERED, RECESSED, SADDLE, CONCAV	REQUIRES	643 and 1574
AR	MIL-W-70342	WASHER, FLAT, METRIC GENERAL SPECIFICATION FO	REQUIRES	643
AR	MIL-Z-11410B VALID NOT	ZIRCONIUM - NICKEL ALLOY, POWDERED	TEST WITH	1574 and 643
AR	MIL-Z-291F INT AMD 1	ZINC OXIDE, TECHNICAL	TEST FOR	1342 and 643
AR	MMM-A-105	ADHESIVE AND SEALING COMPOUNDS CELLULOSE NITR	TEST FOR	336
AS	MIL-A-22212 (1)	ANTENNAS, AT-500(*)/AP AND AT-929(*)/AP; AND	REQUIRES	643
AS	MIL-A-7879A REINST NOT	ANTENNA, AT-141A/ARC	REQUIRES	643
AS	MIL-B-16909B	BUFFING AND POLISHING COMPOUNDS	REQUIRES	771
AS	MIL-B-22227A	BEARING, BALL, ANNULAR, GENERATOR AND MOTOR G	OPTIONAL	771
AS	MIL-B-81935A	BEARINGS, PLAIN, ROD END, SELF-ALIGNING, SELF	REQUIRES	643
AS	MIL-B-85464	BOOSTER, FUZE, MARK 38 MOD 2	REQUIRES	1342
AS	MIL-B-85685	BOOSTER, FUZE, MARK 60 MOD 3	REQUIRES	1342
AS	MIL-B-85735	BALLISTIC MODIFIER LC-12-15	TEST FOR	1342
AS	MIL-B-8831B SUPP 1	BOLT, 180 KSI FTU AND 108 KSI FSU, 450 DEG. F	REQUIRES	643
AS	MIL-B-8906C	BOLT, ALLOY STEEL, SHEAR AND TENSILE (132 KSI	REQUIRES	643
AS	MIL-B-8907A	BOLT, ALLOY STEEL, SHEAR AND TENSILE (156 KSI	REQUIRES	643
AS	MIL-C-19853C (1)	CARBON REMOVING COMPOUND (FOR USE IN AGITATED	TEST FOR	2427
AS	MIL-C-21189 (1)	CLOTH, LAMINATED, ZPG2 AND ZPG2W TYPE AIRSHIP	TEST FOR	745

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AS	MIL-C-21482 (1)	CLOTH, NYLON, PLAIN WEAVE, 1.2 OUNCE	TEST WITH	745
AS	MIL-C-23947 (1)	COMPOUNDING OIL	TEST FOR	373
AS	MIL-C-39029D SUPP 1A	CONTACTS, ELECTRICAL CONNECTOR, GENERAL SPECI	OPTIONAL	1574
AS	MIL-C-7078C SUPP 1A	CABLE, ELECTRIC, AEROSPACE VEHICLE, GENERAL S	OPTIONAL	1574 and 0
AS	MIL-C-81562B	CC ATINGS, CADMIUM, TIN-CADMIUM AND ZINC (MECH	REQUIRES	643
AS	MIL-C-81777B	COOLER, LIQUID, ELECTRONIC EQUIPMENT HD-908 (	REQUIRES	2353
AS	MIL-C-81974	COMPOSITION, STARTER	TEST FOR	1342
AS	MIL-C-85028 SUPP 1	CONNECTOR, ELECTRICAL, RECTANGULAR, INDIVIDUA	OPTIONAL	1574
AS	MIL-C-85077	CAPS, BLASTING, SPECIAL	REQUIRES	1342
AS	MIL-C-8514C	COATING COMPOUND, METAL PRETREATMENT, RESIN-A	TEST FOR	771
AS	MIL-C-85322A	COATING, ELASTOMERIC, POLYURETHANE	REQUIRES	771
AS	MIL-C-85485A SUPP 1	CABLE, ELECTRIC, FILTER LINE, RADIO FREQUENCY	OPTIONAL	1574
AS	MIL-D-18503	DETONATOR MK 22 MOD 0	REQUIRES	1342
AS	MIL-D-18504	DETONATOR MK 27 MOD 0	REQUIRES	1342
AS	MIL-D-18616	DETONATOR MARK 56 MOD 0	REQUIRES	1342
AS	MIL-D-18665B	DETONATOR MARK 59 MOD 0	REQUIRES	1342
AS	MIL-D-38134A (2)	DETECTOR, MAGNETIC AZIMUTH DSU-4A/A, HIGH TEM	REQUIRES	643
AS	MIL-E-18927E (2)	ENVIRONMENTAL CONTROL SYSTEMS, AIRCRAFT, GENE	OPTIONAL	643 and 771
AS	MIL-E-25111 VALID NOTI	ENGINES, AIRCRAFT, RECIPROCATING, QUALIFICATI	REQUIRES	1194
AS	MIL-E-25112 VALID NOTI	ENGINES, AIRCRAFT, RECIPROCATING, ACCEPTANCE	TEST FOR	1194
AS	MIL-E-25113 VALID NOTI	ENGINES, AIRCRAFT, RECIPROCATING, PRELIMINARY	TEST WITH	1194
AS	MIL-E-5400T (3)	ELECTRONIC EQUIPMENT, AEROSPACE GENERAL SPECI	OPTIONAL	643
AS	MIL-E-8189H NOTICE 1	ELECTRONIC EQUIPMENT, MISSILES, BOOSTERS AND	REQUIRES	643
AS	MIL-F-8615D (2)	FUEL SYSTEM COMPONENTS: GENERAL SPECIFICATION	REQUIRES	643 and 771
AS	MIL-G-22112B	GLASS, DARK ADAPTATION	REQUIRES	1574

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AS	MIL-G-23949 (1)	GRAINS, TUBULAR, PYROTECHNIC	TEST FOR	1574
AS	MIL-H-6118	HOOKS, ARRESTING GEAR, CHROMIUM PLATING OF	REQUIRES	771
AS	MIL-H-85281A (3)	HORIZON REFERENCE SET, SHIP MOUNTED FOR LAMPS	REQUIRES	643
AS	MIL-I-81219B	INDICATOR, ELAPSED TIME, ELECTROCHEMICAL	OPTIONAL	1194
AS	MIL-I-81530A	IGNITION ELEMENT, ELECTRIC, MARK 11 MOD 0	REQUIRES	1342
AS	MIL-I-81971A	INK, REACTANT	REQUIRES	336
AS	MIL-L-18331B	LEAD ALLOY PIG	TEST FOR	1342
AS	MIL-L-21652A VALID NOT	LIGHT BEACON, ANTI COLLISION AIRCRAFT	REQUIRES	643
AS	MIL-L-7806A (1)	LIGHT, PANEL, PLASTIC PLATE, LIGHTING	REQUIRES	643
AS	MIL-L-81174 (1)	LIGHTS, LANDING, AIRCRAFT, RETRACTABLE	REQUIRES	643
AS	MIL-L-85297 VALID NOTI	LEAD, EXPLOSIVE MARK 24 MOD 0 MARK 25 MOD 0	REQUIRES	1342
AS	MIL-L-85602 (1)	LEAD, EXPLOSIVE MARK 28 MOD 0 MARK 29 MOD 0	REQUIRES	1342
AS	MIL-L-85676 (1)	LIGHTING, EMERGENCY EGRESS, SUB-ASSEMBLY	REQUIRES	771
AS	MIL-M-3171C (1)	MAGNESIUM ALLOY, PROCESSES FOR PRETREATMENT A	REQUIRES	771
AS	MIL-N-25027E SUPP 1	NUT, SELF-LOCKING, 250 DEG. F, 450 DEG. F, 80	TEST WITH	643
AS	MIL-N-85615	NUT, SEALING, SELF-LOCKING, 250 DEG. F, 450 D	REQUIRES	643
AS	MIL-N-8984 VALID NOTIC	NUT, SELF-LOCKING, STEEL, 260 KSI FTU, 450 DE	TEST WITH	643
AS	MIL-N-8985 (1)	NUT, SELF-LOCKING, STEEL, 180 KSI FTU, 450 DE	TEST WITH	643
AS	MIL-P-23460D	PIN, QUICK-RELEASE, SELF-RETAINING, POSITIVE-	OPTIONAL	643
AS	MIL-P-23942 (1)	POLYBUTADIENE, LINEAR, CARBOXYL TERMINATED	TEST FOR	682
AS	MIL-P-5238C	PUMP, CENTRIFUGAL, FUEL BOOSTER, AIRCRAFT, GE	REQUIRES	643
AS	MIL-P-81994	PROPELLANT FOR 20MM AMMUNITION	REQUIRES	1342
AS	MIL-P-85315 (1)	PUMP, EJECTOR, AIR VEHICLE FUEL, GENERAL SPEC	REQUIRES	643
AS	MIL-P-85658	PAINT, WATER DISPLACING	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AS	MIL-P-85891 (1)	PLASTIC MEDIA, FOR REMOVAL OF ORGANIC COATING	UNKNOWN	2427 and 9998
AS	MIL-R-24243B SUPP 1	RIVETS, BLIND, NONSTRUCTURAL, RETAINED MANDRE	REQUIRES	1574
AS	MIL-R-6018C (1)	REGULATOR, OXYGEN, DILUTER DEMAND	REQUIRES	643
AS	MIL-R-7885D SUPP 1	RIVETS, BLIND, STRUCTURAL, MECHANICALLY LOCKE	REQUIRES	643
AS	MIL-R-81835 (1)	REMOVER, ORGANIC COATING, HOT TANK TYPE	REQUIRES	353
AS	MIL-STD-453C NOTICE 1	INSPECTION, RADIOGRAPHIC	REQUIRES	1342
AS	MIL-S-18471G	SYSTEM, AIRCREW AUTOMATED ESCAPE, EJECTION SE	REQUIRES	771
AS	MIL-T-21014/1	TUNGSTEN BASE PARTS, HIGH DENSITY METAL (SINT	REQUIRES	643
AS	MIL-T-21014/3	TUNGSTEN BASE PARTS, HIGH DENSITY METAL (SINT	REQUIRES	771
AS	MIL-T-21200L NOTICE 1	TEST EQUIPMENT FOR USE WITH ELECTRONIC AND EL	OPTIONAL	643
AS	MIL-T-5842B	TRANSPARENT AREAS ON AIRCRAFT SURFACES (WINDS	OPTIONAL	643 and 771
AS	MIL-T-81533A	TRICHLOROETHANE, 1,1,1, (METHYL CHLOROFORM) I	REQUIRES	682 and 2348
AS	MIL-W-22759D SUPP 1B	WIRE, ELECTRIC, FLUOROPOLYMER-INSULATED, COPP	REQUIRES	1574
AS	MIL-W-5013K	WHEEL AND BRAKE ASSEMBLIES, AIRCRAFT GENERAL	OPTIONAL	643 and 771
AS	MIL-W-81044B SUPP 1A	WIRE, ELECTRIC, CROSSLINKED POLYALKENE, CROSS	REQUIRES	1574
AS	MIL-W-81381A VALID NOT	WIRE, ELECTRIC, POLYIMIDE-INSULATED COPPER OR	REQUIRES	1574
AS	MMM-A-185B INT AMD 2	ADHESIVE, RUBBER (FOR PAPER BONDING)	TEST FOR	336
AS	P-C-444B	CLEANING COMPOUND, SOLVENT SOLUBLE, GREASE EM	TEST FOR	2427
AS	TT-P-320D	PIGMENT, ALUMINUM: POWDER AND PASTE FOR PAINT	TEST FOR	1342
AS1	MIL-P-19419A NOTICE 1	PLATING, CHROMIUM, ELECTRO-DEPOSITED, (ON THE	OPTIONAL	1342 and 771

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AT	DOD-STD-1866 NOTICE 1	SOLDERING PROCESS GENERAL (NON-ELECTRICAL)	REQUIRES	1574, 1342, and 643
AT	F-F-351D	FILTERS AND FILTER ELEMENTS, FLUID PRESSURE:	TEST WITH	745
AT	MIL-B-23272B (2)	BATTERY, STORAGE: ALKALINE, NICKEL-CADMIUM	REQUIRES	1574 and 643
AT	MIL-B-62542	BALL SCREW LINEAR ACTUATOR	OPTIONAL	771
AT	MIL-C-3702B	CABLE, POWER, ELECTRICAL: IGNITION, HIGH-TENS	OPTIONAL	1574
AT	MIL-C-62218A (1)	CORROSION PREVENTIVE COMPOUNDS, COLD-APPLICAT	REQUIRES	1342
AT	MIL-G-12604H	GENERATOR, ENGINE ACCESSORY: DIRECT-CURRENT 2	OPTIONAL	643
AT	MIL-H-13531C (4)	HOSE, RUBBER AND HOSE ASSEMBLY, RUBBER (HYDRA	UNKNOWN	643
AT	MIL-H-3992D (1)	HOSE AND HOSE ASSEMBLY, RUBBER: AIR AND VACUU	UNKNOWN	643
AT	MIL-M-46728C (1)	MIRROR ASSEMBLY, REARVIEW: AUTOMOTIVE EXTERIO	REQUIRES	771
AT	MIL-R-62366A	RING ASSEMBLIES, ELECTRICAL CONTACT	OPTIONAL	643
AS	MIL-T-21014/3	TUNGSTEN BASE PARTS, HIGH DENSITY METAL (SINT	REQUIRES	771
AS	MIL-T-21200L NOTICE 1	TEST EQUIPMENT FOR USE WITH ELECTRONIC AND EL	OPTIONAL	643
AS	MIL-T-5842B	TRANSPARENT AREAS ON AIRCRAFT SURFACES (WINDS	OPTIONAL	643 and 771
AS	MIL-T-81533A	TRICHLOROETHANE, 1,1,1, (METHYL CHLOROFORM) I	REQUIRES	682 and 2348
AS	MIL-W-22759D SUPP 1B	WIRE, ELECTRIC, FLUOROPOLYMER-INSULATED, COPP	REQUIRES	1574
AS	MIL-W-5013K	WHEEL AND BRAKE ASSEMBLIES, AIRCRAFT GENERAL	OPTIONAL	643 and 771
AS	MIL-W-81044B SUPP 1A	WIRE, ELECTRIC, CROSSLINKED POLYALKENE, CROSS	REQUIRES	1574
AS	MIL-W-81381A VALID NOT	WIRE, ELECTRIC, POLYIMIDE-INSULATED COPPER OR	REQUIRES	1574
AS	MMM-A-185B INT AMD 2	ADHESIVE, RUBBER (FOR PAPER BONDING)	TEST FOR	336
AS	P-C-444B	CLEANING COMPOUND, SOLVENT SOLUBLE, GREASE EM	TEST FOR	2427

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AS	TT-P-320D	PIGMENT, ALUMINUM: POWDER AND PASTE FOR PAINT	TEST FOR	1342
AS1	MIL-P-19419A NOTICE 1	PLATING, CHROMIUM, ELECTRO-DEPOSITED, (ON THE	OPTIONAL	1342 and 771
AT	DOD-STD-1866 NOTICE 1	SOLDERING PROCESS GENERAL (NON-ELECTRICAL)	REQUIRES	1574, 1342, and 643
AT	F-F-351D	FILTERS AND FILTER ELEMENTS, FLUID PRESSURE:	TEST WITH	745
AT	MIL-B-23272B (2)	BATTERY, STORAGE: ALKALINE, NICKEL-CADMIUM	REQUIRES	1574 and 643
AT	MIL-B-62542	BALL SCREW LINEAR ACTUATOR	OPTIONAL	771
AT	MIL-C-37028	CABLE, POWER, ELECTRICAL: IGNITION, HIGH-TENS	OPTIONAL	1574
AT	MIL-C-62218A (1)	CORROSION PREVENTIVE COMPOUNDS, COLD-APPLICAT	REQUIRES	1342
AT	MIL-G-12604H	GENERATOR, ENGINE ACCESSORY: DIRECT-CURRENT 2	OPTIONAL	643
AT	MIL-H-13531C (4)	HOSE, RUBBER AND HOSE ASSEMBLY, RUBBER (HYDRA	UNKNOWN	643
AT	MIL-H-3992D (1)	HOSE AND HOSE ASSEMBLY, RUBBER: AIR AND VACUU	UNKNOWN	643
AT	MIL-M-46728C (1)	MIRROR ASSEMBLY, REARVIEW: AUTOMOTIVE EXTERIO	REQUIRES	771
AT	MIL-R-62366A	RING ASSEMBLIES, ELECTRICAL CONTACT	OPTIONAL	643
AT	MIL-R-62528	REGULATOR, ENGINE GENERATOR: SOLID STATE 28 V	REQUIRES	643
AT	MIL-R-62576	REGULATOR, ENGINE GENERATOR	REQUIRES	643
AT	MIL-STD-1877A	BRAZING, NICKEL, HIGH TEMPERATURE VACUUM	REQUIRES	1574
AT	MIL-STD-1881	BRAZING SILVER, GENERAL PROCESS FOR	OPTIONAL	1574
AT	MIL-STD-338	CLEANING AND TREATMENT OF ALUMINUM PARTS PRIO	REQUIRES	771
AT	MIL-STD-343	TRACE ELEMENTS; LIMITS OF	TEST FOR	1574
AT	MIL-S-62119	STARTER-GENERATOR: 300 AMPERE, 28 VOLTS, DIRE	OPTIONAL	643
AT	MIL-T-62223B	TRUCK, MOBILE BLOOD DONOR AND COMPONENT LABOR	REQUIRES	1342
AT	MIL-T-62316A VALID NOT	TRUCK, VAN, PANEL: CALIBRATION AND REPAIR: 8,	TEST FOR	1342 and 0
AT	MIL-T-62340A (1)	TANK, COMBAT, FULL-TRACKED, M1, SERIES; PROCE	REQUIRES	643
AT	MIL-W-21338A	WASHERS, KEY RETAINING, BALL AND ROLLER BEARI	REQUIRES	643

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
AV	MIL-A-55503 VALID NOTI	ATTITUDE HEADING REFERENCE SET AN/ASN-76	REQUIRES	643 and 1342
AV	MIL-I-27680C (2)	INDICATOR, ATTITUDE, ARU-12/A, REMOTE	REQUIRES	643
AV	MIL-S-8512D (2)	SUPPORT EQUIPMENT AERONAUTICAL SPECIAL GENERA	REQUIRES	643
CG	MIL-C-82403	CABLE, SUBMARINE, POWER, CONTROL, AND COMBINA	REQUIRES	1131 and 1342
CG	MIL-P-23281 (2)	PRIMER, VINYL-RED LEAD (FOR BRUSH OR SPRAY)	UNKNOWN	1342
CG	MIL-T-19588A (1)	TOLUENE-METHYL ISOBUTYL KETONE MIXTURE	REQUIRES	2311 and 9997
CG	TT-C-555B (1)	COATING, TEXTURED (FOR INTERIOR AND EXTERIOR	TEST FOR	1342
CG	TT-E-002124B	ENAMEL (VINYL-ALKYD, EXTERIOR)	REQUIRES	9997
CG	T-E-2124A (1)	ENAMEL (VINYL-ALKYD, EXTERIOR)	REQUIRES	9997
CR	GG-T-355B INT AMD 1	THERMOMETER, SELF-INDICATING, LIQUID-IN-GLASS	OPTIONAL	1194
CR	MIL-C-11097B	CABLE, TELEPHONE (W-50-A)	REQUIRES	1342
CR	MIL-C-12423C	CABLE, TELEPHONE, WD-33/U	OPTIONAL	1342
CR	MIL-C-55302E SUPP 1	CONNECTORS, PRINTED CIRCUIT SUBASSEMBLY AND A	OPTIONAL	1574
CR	MIL-HDBK-176	GUIDANCE FOR FLEXIBLE FLAT MULTICONDUCTOR CAB	REQUIRES	1574
CR	MIL-I-49453	IMAGE INTENSIFIER ASSEMBLY, 18 MM MICROCHANNE	TEST FOR	771
CS	WW-V-1967 INT AMD 1	VALVE, BUTTERFLY (THREADED ENDS AND SOLDER EN	TEST WITH	1411
DM	GG-B-2043	BRUSH, SURGICAL SCRUB	REQUIRES	1574
DM	GG-C-00225A	CHEST, X-RAY FILM PROTECTIVE	REQUIRES	1342
DM	GG-C-131C	CASSETTES, RADIOGRAPHIC FILM (MEDICAL)	OPTIONAL	1342
DM	GG-C-225	CHEST, X-RAY FILM PROTECTIVE	REQUIRES	1342
DM	GG-C-860B	CURING UNIT, DENTURE, TWO STAGE	OPTIONAL	1574
DM	GG-D-465A	DISTILLING APPARATUS, LABORATORY	OPTIONAL	1574
DM	GG-H-0080A (1)	HANDLE AND BLADE SET, SURGICAL KNIFE, DETACHA	OPTIONAL	1574
DM	GG-H-591	HOLDER, RADIOGRAPHIC FILM EXPOSURE; HOLDER, P	OPTIONAL	1342
DM	GG-H-80	HANDLE AND BLADE SET, SURGICAL KNIFE, DETACHA	OPTIONAL	1574
DM	GG-I-526B	INSTRUMENTS, DENTAL AND SURGICAL; GENERAL SPE	OPTIONAL	771

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
DM	GG-M-515B	MIXING PAD, PARCHMENT PAPER, DENTAL	TEST WITH	771
DM	GG-S-001015A	SYRINGE, FOUNTAIN	TEST FOR	1342
DM	GG-S-1340A	STERILIZER, SURGICAL INSTRUMENT AND SUPPLY GR	REQUIRES	1574 and 771
DM	GG-S-1341A	WASHER-STERILIZER, SURGICAL INSTRUMENT	OPTIONAL	771 and 1574
DM	GG-S-1343A	STERILIZER, SURGICAL INSTRUMENT AND SUPPLY ME	REQUIRES	771 and 1574
DM	GG-S-1344A	STERILIZER, ETHYLENE OXIDE GAS, FOR HEAT- AND	OPTIONAL	771 and 1574
DM	GG-S-618D	SPHYGMOMANOMETER, ANEROID AND MERCURIAL	REQUIRES	1194
DM	MIL-C-36145A	TUBE, ENDOTRACHEAL, MAGILL	TEST FOR	1342
DM	MIL-C-37068	CONNECTOR, ELASTIC TUBING, BRANCHED, PLASTIC,	TEST FOR	1342
DM	MIL-C-37790	CURING UNIT, DENTURE, ONE STAGE	OPTIONAL	1574
DM	MIL-I-36708A	INTRAVENOUS INJECTION SET, VENTED, WITH METER	TEST FOR	1342
DM	MIL-K-36311C	KNIVES, MICROTOME	OPTIONAL	1574
DM	MIL-STD-964 NOTICE 1	MANUFACTURE AND PACKAGING OF DRUGS, PHARMACEU	UNKNOWN	1342
DM	MIL-S-36157E (1)	SYRINGES (AND NEEDLES), HYPODERMIC, DISPOSABL	REQUIRES	1342
DM	MIL-S-36876A	SYRINGE, IRRIGATING, SURGICAL, CATHETER TIP,	REQUIRES	1342
DM	MIL-S-37072	SYRINGE, HYPODERMIC, DISPOSABLE, ALLERGY	REQUIRES	1342
DM	MIL-T-36612 (2)	TUBE, STOMACH, SURGICAL, PLASTIC RADIOPAQUE,	TEST FOR	1342
DM	MIL-T-36692B	TUBE, DUODENAL, SURGICAL, RADIOPAQUE, CANTOR,	TEST FOR	1342
DM	MIL-T-37594	THERMOMETER, SELF INDICATING, LIQUID IN GLASS	REQUIRES	1194
DM	NNN-P-1475B	PAPER, FILTER, ANALYTICAL	TEST WITH	1342
DM	ZZ-P-0051D	PAD, SURGICAL OPERATING	TEST WITH	2427
DS	MIL-T-46591A VALID NOT	THRUSTER, CARTRIDGE ACTUATED, M15 ASSEMBLY	REQUIRES	1342
EA	DOD-D-51467 (3)	DECONTAMINATING SOLUTIONS (METRIC)	TEST FOR	2427
EA	DOD-I-51323C	INSECTICIDE, DICHLORVOS, IMPREGNATED STRIP (M	REQUIRES	1063, 931, and 374
EA	DOD-N-51512	NICKEL SALTS, ELECTROPLATING (METRIC)	TEST WITH	1574
EA	DOD-STD-1445	METAL ORGANIC COMPOUNDS, TECHNICAL GRADE (MET	REQUIRES	771 and 1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
EA	DOD-STD-1446	METAL ORGANIC COMPOUNDS, REAGENT GRADE (METRI	OPTIONAL	771, 1342, 1574, and 643
EA	MIL-A-51009A	AIR-FILTER MEDIUM	TEST WITH	682
EA	MIL-C-10463B	CHEMICAL AGENT, CYANOGEN CHLORIDE	TEST FOR	726 and 834
EA	MIL-C-12038C VALID NOT	CHLOROBENZENE, TECHNICAL	TEST FOR	736
EA	MIL-D-10662D VALID NOT	1,2-DICHLOROETHANE, TECHNICAL	TEST FOR	1063 and 931
EA	MIL-D-11243A VALID NOT	DEXTROSE, MONOHYDRATE, TECHNICAL (D-GLUCOSE)	TEST FOR	1342
EA	MIL-D-11244	DEXTRIN (FOR BIOLOGICAL USE)	TEST WITH	1342
EA	MIL-D-6998D	DICHLOROMETHANE, TECHNICAL	TEST FOR	931 and 1063
EA	MIL-F-51222C	FILTER, GAS, 150 CFM, M23	REQUIRES	726
EA	MIL-F-51425A (1)	FILTER ELEMENT SET, CHEMICAL-BIOLOGICAL MASK,	TEST WITH	726
EA	MIL-F-51451 (1)	FILTER, GAS-PARTICULATE, 18 CFM: M41	REQUIRES	726
EA	MIL-F-51481 VALID NOTI	FILTER MATERIAL, LAMINATED PAPER, TEN-PLY	TEST FOR	726
EA	MIL-F-51525A (4)	FILTER, GAS, 200 CFM	REQUIRES	726
EA	MIL-F-51541	FILTER, GAS, FFU-17/E, 600 CFM	REQUIRES	726
EA	MIL-L-376C	LEAD DIOXIDE, TECHNICAL	TEST FOR	1342
EA	MIL-M-10452C	MONOCHLOROACETIC ACID, TECHNICAL	UNKNOWN	1063 and 931
EA	MIL-M-11361C (1)	MAGNESIUM CARBONATE	TEST FOR	1342
EA	MIL-M-46985D	MINE, CHEMICAL AGENT, VX, M23; INERT COMPONEN	OPTIONAL	1342
EA	MIL-M-51231 INT AMD 1	MASK, GAS, ROCKET PROPELLANT, M26A1	TEST FOR	682
EA	MIL-N-51301	NICKEL CHLORIDE, HEXAHYDRATE, ANALYZED REAGEN	TEST FOR	1342
EA	MIL-N-51314	NICKEL NITRATE, HEXAHYDRATE, ANALYZED REAGENT	TEST FOR	1342
EA	MIL-R-51197B	REAGENTS, SOLVENTS, AND TEST PAPERS FOR SAMPL	REQUIRES	336 and 0

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
EA	MIL-STD-1213	ORGANIC LABORATORY REAGENTS	REQUIRES	736, 9998, 379, and 0
EA	MIL-STD-1213	ORGANIC LABORATORY REAGENTS	REQUIRES	1574 and 336
EA	MIL-STD-1214	ESTERS AND METAL ORGANICS TECHNICAL GRADE	REQUIRES	374
EA	MIL-STD-1218	ACS CHEMICALS	OPTIONAL	682, 2423, 373, and 0
EA	MIL-STD-1218	ACS CHEMICALS	REQUIRES	643, 931, and 0
EA	MIL-STD-1218	ACS CHEMICALS	REQUIRES	336, 2427, and 745
EA	MIL-STD-1218	ACS CHEMICALS	OPTIONAL	771, 1063, 2311, and 1194
EA	MIL-STD-1218	ACS CHEMICALS	OPTIONAL	2348, 682, 1342, and 1574
EA	MIL-STD-1222	INORGANIC SALTS AND COMPOUNDS, ANALYZED REAGE	REQUIRES	643, 1342, 1574, and 834
EA	MIL-STD-1436	ORGANIC CHEMICAL COMPOUNDS, LIQUID, TECHNICAL	OPTIONAL	336 and 2311
EA	MIL-STD-1436	ORGANIC CHEMICAL COMPOUNDS, LIQUID, TECHNICAL	REQUIRES	2423
EA	MIL-STD-1443	INORGANIC ACIDS AND ACID ANHYDRIDES, REAGENT	REQUIRES	771
EA	MIL-STD-605A	INORGANIC ACIDS AND ACID ANHYDRIDES, TECHNICA	REQUIRES	771
EA	MIL-STD-6108	HALOGENATED HYDROCARBON COMPOUNDS AND SOLVENT	OPTIONAL	745, 931, 1063, and 2348
EA	MIL-STD-6108	HALOGENATED HYDROCARBON COMPOUNDS AND SOLVENT	OPTIONAL	736, 353, 931, and 682
EA	MIL-STD-611A	ELEMENTS, CHEMICAL, EXCEPT ACS CHEMICAL	REQUIRES	643

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
EA	MIL-S-51016A VALID NOT	SODIUM PHOSPHATE, MONOBASIC, ANHYDROUS BIOLOG	TEST FOR	1342
EA	MIL-S-51016A VALID NOT	SODIUM PHOSPHATE, MONOBASIC, ANHYDROUS BIOLOG	TEST WITH	1406
EA	MIL-W-12062A	WAX, PETROLEUM (METRIC)	TEST WITH	336
EA	MIL-W-215D	WHITE PHOSPHORUS (WP)	TEST WITH	2311
EA	MIL-Z-12061B VALID NOT	ZINC CARBONATE, BASIC, TECHNICAL	TEST WITH	643
EA	O-B-41E	BATTERY WATER	TEST FOR	1574
EA	O-S-801C (3)	SULFURIC ACID, ELECTROLYTE; FOR STORAGE BATTE	TEST WITH	1574
EC	MIL-A-287688 (2)	ANTENNAS, FIXED, HIGH FREQUENCY GENERAL SPECI	REQUIRES	643
EC	MIL-A-29521 (2)	ANTENNA GROUP, AN/BRA-34(V), AN/BRA-34A(V), A	TEST FOR	1194
EC	MIL-C-15452C (3)	CABLE, SPECIAL PURPOSE (TOW), ELECTRICAL, COA	REQUIRES	1342
EC	MIL-C-3607A SUPP 1	CONNECTORS, COAXIAL, RADIOFREQUENCY, SERIES P	OPTIONAL	1574, 1342, and 643
EC	MIL-D-39030B SUPP 1	DUMMY LOAD, ELECTRICAL, COAXIAL GENERAL SPECI	OPTIONAL	1574
EC	MIL-F-23419D SUPP 1	FUSE, CARTRIDGE, INSTRUMENT TYPE GENERAL SPEC	OPTIONAL	1574
EC	MIL-F-28861A	FILTERS AND CAPACITORS, RADIO FREQUENCY/ELECT	OPTIONAL	1342
EC	MIL-L-23886B	LIQUID LEVEL INDICATING EQUIPMENT (ELECTRICAL	OPTIONAL	1342
EC	MIL-P-23971B VALID NOT	POWER DIVIDERS, POWER COMBINERS, AND POWER DI	REQUIRES	1574
EC	MIL-R-28704	RADIO RELAY EQUIPMENT, TRANSHORIZON (TROPOSPH	REQUIRES	1574
EC	MIL-R-28819 (1)	RADIO NAVIGATION RECEIVING SET, OMEGA, AN/BRN	TEST FOR	1194
EC	MIL-R-28877	RECEIVER, PROGRAMMABLE SCANNING COMMUNICATION	REQUIRES	1194
EC	MIL-R-28886A	RECEIVER, LOW FREQUENCY, MEDIUM FREQUENCY, AN	REQUIRES	1194
EC	MIL-R-39016D SUPP 1	RELAYS, ELECTROMAGNETIC, ESTABLISHED RELIABIL	REQUIRES	1194 and 1342
EC	MIL-STD-1130B NOTICE 2	CONNECTIONS, ELECTRICAL, SOLDERLESS WRAPPED	OPTIONAL	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
EC	MIL-STD-2118 NOTICE 1	FLEXIBLE AND RIGID-FLEX PRINTED-WIRING FOR EL	OPTIONAL	1574 and 1342
EC	MIL-STD-275E NOTICE 1	PRINTED WIRING FOR ELECTRONIC EQUIPMENT	REQUIRES	1342 and 0
EC	MIL-S-19500H SUPP 1	SEMICONDUCTOR DEVICES GENERAL SPECIFICATION F	OPTIONAL	1574 and 1342
EC	MIL-T-29504A SUPP 1	TERMINI, FIBER OPTIC CONNECTOR, REMOVABLE, GE	REQUIRES	1194
ER	MIL-B-18E (1)	BATTERIES, NON-RECHARGEABLE, DRY	REQUIRES	1194
ER	MIL-C-55422	CLIP, ELECTRICAL, GRID AND ANODE; GENERAL SPE	REQUIRES	643
ER	MIL-D-87157/1 (1)	DISPLAYS, DIODE, LIGHT EMITTING, SOLID STATE,	REQUIRES	1342
ER	MIL-D-87157/3A	DISPLAYS, DIODE, LIGHT EMITTING, SOLID STATE,	REQUIRES	1342
ER	MIL-P-49139 (2)	POWER SUPPLY PP-6148( )/U	REQUIRES	643
ER	MIL-P-49139 (2)	POWER SUPPLY PP-6148( )/U	REQUIRES	1574
ER	MIL-P-55110D (3)	PRINTED WIRING BOARDS GENERAL SPECIFICATION F	OPTIONAL	1342
ER	MIL-STD-1276D	LEADS FOR ELECTRONIC COMPONENT PARTS	REQUIRES	1574 and 1342
ER	MIL-T-13133C	THERMOMETERS, SELF-INDICATING, LIQUID-IN-GLAS	REQUIRES	1194
ER	MIL-T-55164C	TERMINAL BOARDS, MOLDED, BARRIER SCREW AND ST	REQUIRES	1194
ES	W-S-896E VALID NOTICE	SWITCHES, TOGGLE (TOGGLE AND LOCK), FLUSH MOU	REQUIRES	1194
ES	W-S-896/3A VALID NOTIC	SWITCHES, TOGGLE, FLUSH MOUNTED (MERCURY) (AC	REQUIRES	1194
FSS	AA-C-293C	CHAIRS, ROTARY AND STRAIGHT, (STEEL, GENERAL	TEST FOR	771
FSS	A-A-10378	WIRE FABRIC (INDUSTRIAL)	REQUIRES	643
FSS	A-A-1817C	BOOKCASE (STEEL, CONTEMPORARY STYLE)	TEST FOR	771
FSS	A-A-2112A NOTICE 1	COSTUMER, METAL (CONTEMPORARY STYLE)	TEST FOR	771
FSS	A-A-2122D	STANDS, OFFICE MACHINE	TEST FOR	771
FSS	A-A-2668	DISPENSER, TOILET PAPER, CABINET	TEST FOR	771
FSS	DD-M-411C	MIRRORS, GLASS	OPTIONAL	771
FSS	FF-B-584F	BOLTS, SQUARE NECK AND TEE HEAD	OPTIONAL	1574
FSS	FF-B-588D	BOLT, TOGGLE: AND EXPANSION SLEEVE, SCREW	OPTIONAL	643

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
FSS	GGG-D-351F	DIVIDER, MECHANICS'	OPTIONAL	771
FSS	GGG-T-106E	TAPE, MEASURING (GENERAL USE)	OPTIONAL	771
FSS	GG-T-116B	TAPES, MEASURING (STEEL, SURVEYORS')	OPTIONAL	771
FSS	MIL-I-25861D (3)	INDICATOR, PRESSURE, HYDRAULIC, 0-4000 PSI IN	REQUIRES	1342
FSS	MIL-I-27188A (3)	INDICATOR, PRESSURE EGU-2/A, OIL, 0-100 PSI	TEST FOR	1342
FSS	WW-D-1908A	DISPENSER, TOILET PAPER, CABINET	REQUIRES	771
FSS	W-L-210A INT AMD 1	LANTERN, ELECTRIC, HEAVY-DUTY (RECHARGEABLE B	UNKNOWN	1342
GL	AA-D-600B INT AMD 4	DOOR, VAULT, SECURITY	REQUIRES	643
GL	AA-F-357F INT AMD 1	FILING CABINET, STEEL, LEGAL AND LETTER SIZE,	REQUIRES	643 and 771
GL	AA-F-363B INT AMD 3	FILING CABINET, SECURITY, MAPS AND PLANS, GEN	REQUIRES	771 and 643
GL	AA-R-00211H	REFRIGERATORS, MECHANICAL, HOUSEHOLD (ELECTRI	REQUIRES	771
GL	AA-R-200F INT AMD 1	REFRIGERATOR, MECHANICAL, FOOD: SELF-CONTAINE	REQUIRES	682 and 771
GL	AA-R-211G (3)	REFRIGERATORS, MECHANICAL, HOUSEHOLD (ELECTRI	REQUIRES	1574 and 771
GL	AA-S-1518A INT AMD 2	SAFE, TOOL-RESISTANT, UNINSULATED, SECURITY	OPTIONAL	643
GL	C-F-206G	FELT SHEET: CLOTH, FELT, WOOL, PRESSED	UNKNOWN	336, 931, and 1063
GL	DD-T-101H	TABLEWARE, GLASS (EXTRACTORS, CITRUS FRUIT JU	REQUIRES	1342
GL	FED-STD-148A CHG NOTIC	CLASSIFICATION, IDENTIFICATION, AND TESTING O	TEST FOR	2348, 931, and 1063
GL	FED-STD-191A CHG NOTIC	TEXTILE TEST METHODS	TEST FOR	745, 2353, 682, and 0
GL	FED-STD-191A CHG NOTIC	TEXTILE TEST METHODS	TEST FOR	336, 931, 1063, and 2348
GL	FED-STD-311 CHG NOTICE	LEATHER, METHODS OF SAMPLING AND TESTING	TEST FOR	771, 745, and 1342
GL	GGG-D-698A	DRILL, RATCHET (REVERSIBLE)	REQUIRES	771, 1574, and 643

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
GL	GGG-F-00360D	FINGER, MECHANICAL, AND RETRIEVER TOOL, MAGNE	OPTIONAL	643 and 771
GL	GGG-F-360B	FINGER, MECHANICAL, AND RETRIEVER TOOL, MAGNE	OPTIONAL	643, 771, and 1574
GL	GGG-G-15C (1)	GAGE BLOCKS AND ACCESSORIES (INCH AND METRIC)	OPTIONAL	771
GL	GGG-H-33A INT AMD 6	HAMMERS, HAND & MALLETS, SURFACE PROTECTIVE;	REQUIRES	1342
GL	GGG-P-436C	PLANES, BLOCK, RABBET, BENCH, MATCHING AND RO	REQUIRES	1574 and 771
GL	GGG-P-480E	PLIERS, RETAINING RING	REQUIRES	771
GL	GGG-P-643A INT AMD 1	PULLER KIT, MECHANICAL	OPTIONAL	771 and 643
GL	GGG-P-781D	PULLER, MECHANICAL PULLER ATTACHMENT, MECHANI	OPTIONAL	643 and 771
GL	GGG-S-735/7 VALID NOTI	STAMPING, AND MARKING EQUIPMENT; PRESS LEAD S	REQUIRES	1342
GL	GGG-S-775A (2)	STUD REMOVER AND SETTER	OPTIONAL	771, 643, and 1574
GL	GGG-W-646 INT AMD 4	WRENCH, OPEN END, RATCHET (TAC PATTERN), FOR	OPTIONAL	643, 1574, and 771
GL	L-S-00626D	SPONGES, SYNTHETIC	TEST WITH	336
GL	L-S-626C INT AMD 1	SPONGES, SYNTHETIC	TEST WITH	336
GL	MIL-A-43657 (1)	ADSORBER, VAPOR, SYNTHETIC SOLVENT DRY CLEANI	OPTIONAL	1131 and 1574
GL	MIL-B-1963J (1)	BUCKLES; AND CLIPS, END, STRAP (FOR BELT, TRO	REQUIRES	1574
GL	MIL-B-43866C (1)	BREAD-SLICING MACHINES, ELECTRIC-OPERATED, MU	OPTIONAL	1574 and 771
GL	MIL-B-43878 VALID NOTI	BROILER, SELF-CLEANING, ELECTRIC; COUNTER MOD	OPTIONAL	771 and 1574
GL	MIL-B-52472C	BAGS, SAND, POLYPROPYLENE	TEST FOR	1574
GL	MIL-B-52745	BUILDINGS, PREFABRICATED, SECTIONAL, METAL: G	REQUIRES	1194
GL	MIL-B-52755	BUILDING, PREFABRICATED, SECTIONAL, METAL: TW	OPTIONAL	1194
GL	MIL-C-2522E VALID NOTI	CORD, FIBROUS, LINEN, SHOCK ABSORBER SERVING	TEST WITH	745
GL	MIL-C-40602B NOTICE 2	COOKIE CUTTING MACHINE, ELECTRIC	OPTIONAL	1574

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
GL	MIL-C-43256C INT AMD 1	CORD, FIBROUS, POLYESTER, SOLID BRAID	TEST WITH	745
GL	MIL-C-43467 VALID NOTI	CANDLE BURNER, AND CANDLELIGHTER AND SNUFFER	REQUIRES	771
GL	MIL-C-43469B (2)	CHAPLAINS' KITS, CATHOLIC AND PROTESTANT	REQUIRES	771
GL	MIL-C-43502C	SHIRT, WOMAN'S, WOOL, FIELD (USE MIL-S-44163)	UNKNOWN	378
GL	MIL-C-43588	CORD, POLYESTER, WAXED, CORELESS	TEST WITH	745
GL	MIL-C-43665C	CLOTH, WOOL: MOTHPROOFING TREATMENT OF	TEST FOR	1063 and 931
GL	MIL-C-43665C	CLOTH, WOOL: MOTHPROOFING TREATMENT OF	REQUIRES	745, 2348, and 336
GL	MIL-C-43858B	CLOTH, LAMINATED, NYLON TRICOT KNIT, POLYURET	TEST FOR	682
GL	MIL-C-44313	COVER, CHEMICAL PROTECTIVE, PATIENT WRAP	TEST WITH	682
GL	MIL-C-44356	COAT AND TROUSERS, CHEMICAL PROTECTIVE, AIRCR	TEST WITH	682
GL	MIL-C-44378	CLOTH, PARACHUTE, NYLON, LOW PERMEABILITY	REQUIRES	745 and 0
GL	MIL-C-48596A VALID NOT	COMPUTER SYSTEM, BALLISTIC, M21: 11732979	TEST FOR	1342
GL	MIL-C-5040G	CORD, FIBROUS, NYLON	TEST WITH	745
GL	MIL-C-81769	CHEMICAL MILLING OF METALS, SPECIFICATION FOR	OPTIONAL	1574
GL	MIL-D-43164C	DRY CLEANING UNITS, SINGLE BATH, COLD TYPE, F	REQUIRES	1131
GL	MIL-D-43362B VALID NOT	DETERGENT, LAUNDRY (ANIONIC: A STANDARD FOR T	TEST WITH	931
GL	MIL-D-43970	DRY CLEANING, RECOVERY TUMBLER, FOR SYNTHETIC	REQUIRES	1131
GL	MIL-E-20652/1B	EYELETS, METALLIC, ROLLED FLANGE TYPE; AND EY	REQUIRES	643 and 1574
GL	MIL-E-20652/2B	EYELETS, METALLIC, FLAT FLANGE TYPE	OPTIONAL	643
GL	MIL-F-10884F	FASTENERS, SNAP	OPTIONAL	771 and 1574
GL	MIL-F-2473D	FLOUR HANDLING PLANTS	REQUIRES	1574
GL	MIL-F-82D VALID NOTICE	FOOD CARRIER, INTERLOCKING POT, HAND; WITH FI	TEST FOR	1574
GL	MIL-G-20587E VALID NOT	GLOVES, WIRE, MESH, ENTIRE HAND	REQUIRES	1574

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
GL	MIL-G-43817A INT AMD 1	GRILLS, FRANKFURTERS, ROLLER TYPE, ELECTRIC	REQUIRES	1574 and 771
GL	MIL-G-835H	GLOVE INSERTS, COLD WEATHER	REQUIRES	378
GL	MIL-H-20050E	HANDCUFFS AND LEG IRONS	REQUIRES	1574
GL	MIL-H-226F VALID NOTIC	HALYARDS, SIGNAL, BRAIDED TREATED	REQUIRES	745
GL	MIL-K-43387 VALID NOTI	KIDDUSH CUP	OPTIONAL	771
GL	MIL-L-13816D VALID NOT	LEATHER, CALFSKIN AND KIP, AND LACING, HANDIC	REQUIRES	1342
GL	MIL-L-1594L (1)	LANTERN, GASOLINE, LEADED OR NONLEADED FUEL W	OPTIONAL	1574
GL	MIL-L-43541 VALID NOTI	LEATHER, CATTLEHIDE, FOR VISORS AND CHINSTRAP	OPTIONAL	771
GL	MIL-L-43575A	LAUNDRY PRESS, COMMERCIAL, CABINET TYPE, SING	OPTIONAL	1574 and 0
GL	MIL-M-43946A VALID NOT	MAINTENANCE KIT: WET WEATHER CLOTHING	REQUIRES	2311
GL	MIL-O-43884 VALID NOTI	OVEN, PIZZA, COUNTER-TOP, ELECTRIC	REQUIRES	771 and 1574
GL	MIL-P-2001D VALID NOTI	PUNCH, CUTTING, REVOLVING HEAD	OPTIONAL	643
GL	MIL-P-43116A (2)	PIKE, WIRE AND PIKES, POLE	REQUIRES	643
GL	MIL-R-3390F	RINGS, DEE	REQUIRES	1574, 771, and 643
GL	MIL-R-43592A (1)	REFRIGERATORS, MECHANICAL, EXPLOSION-PROOF	REQUIRES	771
GL	MIL-S-10736H	STOVE, GASOLINE BURNER, M1950, AND CASE	REQUIRES	1574 and 771
GL	MIL-S-13001C (3)	SIFTING MACHINE, FLOUR, ELECTRIC (FOR FIELD B	REQUIRES	1342
GL	MIL-S-3577G	SWEATBAND, HEADWEAR, LEATHER	REQUIRES	1342
GL	MIL-S-40608D VALID NOT	STOVE, GASOLINE, 2 BURNER	REQUIRES	1574
GL	MIL-S-43538 VALID NOTI	STAND, BIBLE AND MISSAL	REQUIRES	771
GL	MIL-S-43770 SUPP 1	SNAP HOOKS, GENERAL SPECIFICATION FOR	OPTIONAL	643
GL	MIL-S-43926H	SUIT, CHEMICAL PROTECTIVE	TEST FOR	682

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
GL	MIL-U-11224E (1)	UMBRELLA, SURVEYOR'S (SIX-RIB)	OPTIONAL	643
GL	MIL-V-43535 (1)	VASES, ECCLESIASTICAL	REQUIRES	771
GL	MIL-W-13945D	WAX, HYDROCARBON (FOR ORDNANCE USE)	TEST WITH	336
GL	MIL-W-52850	WAREHOUSE, REFRIGERATED, PREFABRICATED, METAL	REQUIRES	1194
GL	O-C-1889 VALID NOTICE	CLEANING COMPOUND, SOLVENT	REQUIRES	931 and 1063
GL	O-D-1435A VALID NOTICE	DISINFECTANT, GERMICIDAL, FUNGICIDAL, CONCENT	TEST FOR	2427
GL	O-L-298B INT AMD 1	LITHOGRAPHIC BLANKET-ROLLER WASH	REQUIRES	336
GL	PPP-C-29G	CANNED SUBSISTENCE ITEMS, PACKAGING OF	OPTIONAL	771
GL	PPP-C-96D (3)	CANS, METAL, 28 GAUGE AND LIGHTER	OPTIONAL	1342
GL	P-D-1801	DISHWASHING COMPOUND, LIQUID SYSTEM (FOR COMM	TEST WITH	1342
GL	P-D-245F	DETERGENT, GENERAL PURPOSE, LAUNDRY AND HAND	TEST WITH	745
GL	P-S-1792 (1)	SOAP, LAUNDRY (NEUTRAL AND BUILT)	TEST WITH	745
GL	RR-S-615C (1)	SPONGES, METAL	REQUIRES	1574
GL	TT-C-495D	COATINGS, EXTERIOR, FOR TINNED FOOD CANS	TEST FOR	1342
GL	T-C-2754	CORD, POLYESTER, CORELESS	TEST WITH	745
GL	T-C-571F (2)	CORDS, COTTON; GENERAL AND SPECIAL PURPOSES,	TEST WITH	745
GL	V-F-106F (2)	FASTENER, SLIDE, INTERLOCKING	OPTIONAL	1574
GL	ZZ-C-450C VALID NOTICE	CLOTH, COATED (RUBBER AND PLASTIC) AND PLASTI	TEST WITH	2427
GS	WW-V-001916	VALVE FLUSH; BULB, FLUSH; GUIDE ARM; LIFT ROD	REQUIRES	771
GSA	AA-F-358G	FILING CABINET, LEGAL AND LETTER SIZE, UNINSU	REQUIRES	771 and 643
IH	MIL-B-15638 INT AMD 1	BUTTONS, INSIGNIA AND FINDINGS (USMA)	OPTIONAL	1574
IH	MIL-B-3461G VALID NOTI	BUTTON, INSIGNIA, METAL, UNIFORM AND CAP	OPTIONAL	1574
IH	MIL-B-3628E SUPP 1A	BADGE, BADGE CLASP, BAR AND PENDANT, QUALIFIC	REQUIRES	1574
IH	MIL-B-41809C SUPP 1	BADGES AND INSIGNIA, IDENTIFICATION, GENERAL	OPTIONAL	1574
IH	MIL-F-2692G	FLAGS AND PENNANTS	UNKNOWN	378

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
IH	MIL-F-40048C	FLAGSTAFFS AND INSIGNIA, FLAGSTAFF HEADS GENE	REQUIRES	771 and 643
IH	MIL-H-40082A	HUBS AND DIES, FOR HERALDIC ITEMS	REQUIRES	1342
IH	MIL-I-14639D SUPP 1	INSIGNIA, GRADE, ENLISTED PERSONNEL, METAL; A	OPTIONAL	1574
IH	MIL-I-14654	INSIGNIA, DISTINCTIVE UNIT AND SHOULDER LOOP	OPTIONAL	1574
IH	MIL-I-3575F SUPP 1	INSIGNIA, (BRANCH OF SERVICE; GARRISON CAP; H	OPTIONAL	1574
IH	MIL-I-3949D SUPP 1	INSIGNIA, RANK, OFFICER'S METAL; GENERAL SPEC	TEST WITH	1574
IH	MIL-L-11484F SUPP 1A	LAPEL BUTTON, GENERAL SPECIFICATION FOR	OPTIONAL	1574
INV	FF-S-1362	STUD, PLAIN; GENERAL PURPOSE	UNKNOWN	643 and 1574
INV	MIL-STD-1428	CLEANING COMPOUNDS	UNKNOWN	2348
IP	MIL-D-4725C VALID NOTI	DIMPLING MACHINE, HOT AND COLD PROCESS, PORTA	OPTIONAL	643
IP	MIL-D-80251A VALID NOT	DIMPLING MACHINE, HOT AND COLD PROCESS, SQUEE	REQUIRES	643
IP	MIL-E-80022C	ELECTRO EROSION MACHINE, ELECTROLYTIC, CARBID	TEST FOR	1194
IP	MIL-W-80037C (1)	WELDING MACHINE, ARC, DC, GENERATOR, CONSTANT	REQUIRES	1342
IS	FED-STD-H28/6A	SCREW-THREAD STANDARDS FOR FEDERAL SERVICES S	REQUIRES	1342
JH	MIL-P-24710	PURIFIERS, SOLIDS EJECTING (SELF CLEANING), C	REQUIRES	1194
MB	A-A-51985	APRON, X-RAY PROTECTIVE	TEST FOR	1342
MB	GG-M-125C CANC NOTICE	MARKER SET, X-RAY FILM IDENTIFICATION (USE A-	OPTIONAL	1342
MB	GG-S-00812C REINSTATEM	SUTURES, ABSORBABLE, SURGICAL (GUT)	OPTIONAL	1574
MB	MIL-A-36080C VALID NOT	ANESTHESIA SET, ENDOTRACHEAL	TEST FOR	1342
MB	MIL-B-36731 VALID NOTI	BLOOD EXCHANGE-TRANSFUSION KIT, DISPOSABLE	TEST FOR	1342
MB	MIL-B-37749	BOX, PATHOLOGICAL SPECIMEN, SHIPPING	OPTIONAL	2353
MB	MIL-I-36207C	INSERT, OPTICAL, CHEMICAL-BIOLOGICAL MASK, M-	REQUIRES	1574
MB	MIL-I-42073	INSERT, OPTICAL, CHEMICAL-BIOLOGICAL MASK, XM	OPTIONAL	1574
MB	MIL-T-36192A VALID NOT	TUBE, CONNECTING, SYRINGE AND NEEDLE, DISPOSA	REQUIRES	1342
MB	MIL-T-36368A	TUBES, NASAL FEEDING, SURGICAL, INFANT, DISPO	TEST FOR	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
MB	MIL-W-37045	WATER BATH, ELECTRIC, SEROLOGICAL, 6 RACK, 11	REQUIRES	1574
MC	MIL-C-23023B	CLEANER, STEAM, PRESSURE JET, TRAILER MOUNTED	TEST WITH	1194
MC	MIL-I-19689B	INSIGNIA, OFFICER CANDIDATE AND PLATOON LEADE	REQUIRES	1574
MC	MIL-S-19206D	SWORD AND SCABBARD (NONCOMMISSIONED OFFICERS)	TEST FOR	1342 and 682
MC	MIL-S-28921A	SWORD AND SCABBARD: (OFFICER'S) WITH CASE	TEST FOR	682 and 1342
MD	MIL-C-44303	CLOTH, POROUS, LAMINATED FABRIC SYSTEM	TEST WITH	682
ME	BB-S-1419	SULFUR HEXAFLUORIDE, TECHNICAL GRADE	OPTIONAL	682
ME	FED-STD-141C	PAINT, VARNISH, LACQUER AND RELATED MATERIALS	TEST FOR	1342 and 771
ME	FED-STD-791C	LUBRICANTS, LIQUID FUELS, AND RELATED PRODUCT	TEST FOR	1342
ME	GG-C-5508	COMPASS, DRAFTING, PIVOT, DROP SPRING BOW: PE	OPTIONAL	1574
ME	GG-D-600D (1)	DRAFTING INSTRUMENT SETS: AND DRAFTING INSTRU	OPTIONAL	771 and 1342
ME	MIL-C-14505D	CLOTH, NYLON, POLYCHLOROPRENE-COATED (FOR PNE	TEST FOR	745
ME	MIL-C-46168D (1)	COATING, ALIPHATIC POLYURETHANE, CHEMICAL AGE	TEST FOR	1063, 931, 1342, and 771
ME	MIL-C-52681A	CAMERA SECTION, TOPOGRAPHIC REPRODUCTION SET,	REQUIRES	2423
ME	MIL-C-7712A VALID NOTI	COMPRESSORS, AIR, GAS TURBINE TYPE, GENERAL S	REQUIRES	1342
ME	MIL-E-52891B	ENAMEL, LUSTERLESS, ZINC PHOSPHATE, STYRENATE	TEST FOR	1342
ME	MIL-F-14580C	FERRIC CHLORIDE, ANHYDROUS, CHRYSTALINE, TECH	TEST WITH	1406
ME	MIL-F-46162C	FUEL, DIESEL, REFEREE GRADE	REQUIRES	2311
ME	MIL-F-53026	FAN, CIRCULATING	OPTIONAL	771
ME	MIL-G-3056E	GASOLINE, AUTOMOTIVE, COMBAT, METRIC	REQUIRES	1342
ME	MIL-G-52421A (1)	GENERATOR SET: 30 KW AND 60 KW, GAS-TURBINE-	REQUIRES	1574, 1342, and 643
ME	MIL-G-53006 (2)	GASOHOL, AUTOMOTIVE, LEADED OR UNLEADED	REQUIRES	1342
ME	MIL-L-11025F	LEAD, PILE-DRIVER; WITH CATWALK	REQUIRES	1342
ME	MIL-L-11195D	LACQUER, LUSTRELESS, HOT SPRAY	TEST FOR	1342
ME	MIL-L-52841A	LABORATORY, FIELD: TRAILER CHASSIS MOUNTED, F	REQUIRES	1342
ME	MIL-M-52680A	MAP LAYOUT SECTION, TOPOGRAPHIC REPRODUCTION	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
ME	MIL-N-52747C (1)	NOZZLE ASSEMBLY, CLOSED CIRCUIT REFUELING	OPTIONAL	771 and 643
ME	MIL-N-53094	NOZZLE ASSEMBLY, CLOSED-CIRCUIT REFUELING, AR	OPTIONAL	771 and 643
ME	MIL-P-11879D	PYROMETERS, OPTICAL	REQUIRES	643 and 1574
ME	MIL-P-3684C	PRINTING, DUPLICATING, AND BOOKBINDING EQUIPM	REQUIRES	1194
ME	MIL-P-53022B	PRIMER, EPOXY COATING, CORROSION INHIBITING,	TEST FOR	771 and 1342
ME	MIL-P-53030	PRIMER COATING, EPOXY, WATER REDUCIBLE, LEAD	TEST FOR	771 and 1342
ME	MIL-P-53032	PRIMER COATING, WATER REDUCIBLE, EPOXY ESTER-	TEST FOR	1342
ME	MIL-P-53084	PRIMER, CATHODIC ELECTRODEPOSITION, CHEMICAL	TEST FOR	771 and 1342
ME	MIL-P-747D	PILE DRIVING RIG, SKID MOUNTED; STEEL, W/MOON	REQUIRES	1342
ME	MIL-R-11521F	RINGS, EXPANSION, HOSE, BRASS	TEST WITH	1411
ME	MIL-R-53086	RUST CONVERTER, METRIC	REQUIRES	1342 and 771
ME	MIL-S-12991B VALID NOT	SURVEYING SET, TOPOGRAPHIC COMPANY; PACKAGING	REQUIRES	1342
ME	MIL-S-52362D VALID NOT	SURVEYING SET, GENERAL-PURPOSE: FOR PLANIMETR	REQUIRES	1342
ME	MIL-S-52365B VALID NOT	SURVEYING SET, ARTILLERY-FIRE-CONTROL, FOURTH	REQUIRES	1342
ME	MIL-T-12295E (2)	TANKS, HOT WATER STORAGE	OPTIONAL	1574
ME	MIL-T-17760G	TRUCKS, PALLET, POWERED: ELECTRIC, NON-TIERIN	REQUIRES	771 and 643
ME	MIL-T-55069C	TRAINING AID, MODEL BRIDGE: BRIDGE, FLOATING,	REQUIRES	643
ME	MIL-T-704J	TREATMENT AND PAINTING OF MATERIEL	OPTIONAL	643
ME	MIL-V-12276D (1)	VARNISH, PHENOLIC, BAKING	TEST FOR	2311 and 336
ME	MMM-A-130B INT AMD 3	ADHESIVE, CONTACT	TEST FOR	336
ME	RR-W-365A INT AMD 1	WIRE FABRIC (INSECT SCREENING)	OPTIONAL	1574
ME	TT-C-535B (2)	COATING, EPOXY, TWO COMPONENT, FOR INTERIOR U	TEST FOR	1342
ME	TT-E-001793 (1)	ENAMEL, SEMI-GLOSS, FOR METAL AND WOOD FURNIT	TEST FOR	2311

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
ME	TT-E-485F (1)	ENAMEL, SEMI-GLOSS, RUST-INHIBITING	TEST FOR	2311 and 1342
ME	TT-E-489H	ENAMEL, ALKYD, GLOSS, LOW VOC CONTENT	TEST FOR	1342 and 771
ME	TT-E-515A (1)	ENAMEL, ALKYD, LUSTERLESS, QUICK-DRYING	TEST FOR	1342 and 2311
ME	TT-E-516A	ENAMEL, LUSTERLESS, QUICK-DRYING STYRENATED A	TEST FOR	1342 and 2311
ME	TT-E-527D	ENAMEL, ALKYD, LUSTERLESS, LOW VOC CONTENT	TEST FOR	771, 1342, and 771
ME	TT-E-529G	ENAMEL, ALKYD, SEMIGLOSS, LOW VOC CONTENT	TEST FOR	771
ME	TT-E-545C	PRIMER (ENAMEL-UNDERCOAT, ALKYD, ODORLESS, IN	TEST FOR	1342
ME	TT-L-54C INT AMD 1	LACQUER: SPRAYING, ACID-RESISTANT, (FOR ALUMI	TEST WITH	336
ME	TT-L-58E	LACQUER: SPRAYING, CLEAR AND PIGMENTED FOR IN	TEST FOR	1342
ME	TT-P-1728A (1)	PAINT, LATEX BASE, INTERIOR, FLAT, DEEP-TONE	TEST FOR	1342
ME	TT-P-25E (2)	PRIMER COATING, EXTERIOR UNDERCOAT FOR WOOD,	TEST FOR	1342
ME	TT-P-31D	PAINT, OIL: IRON-OXIDE, READY-MIXED, RED AND	TEST FOR	1342 and 1194
ME	TT-P-38E	PAINT, ALUMINUM (READY-MIXED)	TEST FOR	1342
ME	TT-P-664D	PRIMER COATING, ALKYD, CORROSION-INHIBITING,	TEST FOR	1342 and 771
ME	TT-R-251J (1)	REMOVER, PAINT (ORGANIC SOLVENT TYPE)	TEST FOR	682, 931, and 2427
ME	TT-S-179B (1)	SEALER, SURFACE: PIGMENTED OIL, FOR PLASTER A	TEST FOR	1342
ME	TT-S-711C	STAIN; OIL TYPE, WOOD, INTERIOR	TEST FOR	1342
ME	TT-T-266D INT AMD 2	THINNER: DOPE AND LACQUER (CELLULOSE-NITRATE)	TEST FOR	2311
ME	TT-T-306C (2)	THINNER, SYNTHETIC RESIN ENAMEL	TEST WITH	373
ME	TT-V-109C	VARNISH, INTERIOR, ALKYD-RESIN	TEST FOR	1342
ME	TT-V-121H	VARNISH, SPAR, WATER-RESISTING	TEST FOR	1342 and 336
ME	TT-V-81G	VARNISH: MIXING, FOR ALUMINUM PAINT	TEST FOR	336
ME	WW-S-1913A	SHOWER HEAD, BALL JOINT (INTEGRAL FLOW CONTRO	REQUIRES	771
ME	W-H-196J INT AMD 1	HEATER, WATER, ELECTRIC, AND GAS FIRED, RESID	OPTIONAL	1574

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
MI	MIL-A-47062 VALID NOTI	AMINO PROPYL ALKYL AMINE	TEST WITH	1406
MI	MIL-C-46878	COLORING COMPOUND, CARBON BLACK	TEST FOR	336
MI	MIL-L-60427B	LOCKWIRE, FOR 2.75" ROCKET MOTOR ALL MARKS AN	REQUIRES	643
MI	MIL-P-14553C	PRIMER COATING; DIPPING, AUTOMOTIVE	TEST FOR	1342 and 2311
MI	MIL-R-46963A	ROCKET MOTOR, M42A1, BOOSTER	OPTIONAL	771 and 643
MI	MIL-R-48233A (3)	ROD, STABILIZING, COATED FOR 2.75 INCH ROCKET	REQUIRES	643
MI	MIL-STD-1250	CORROSION PREVENTION AND DETERIORATION CONTRO	TEST WITH	771, 643, 1574, and 1342
MI	MIL-STD-186D NOTICE 4	PROTECTIVE FINISHING FOR ARMY MISSILE WEAPON	REQUIRES	771, 643, and 1574
MI	MIL-STD-35-90 NOTICE	AUTOMATED ENGINEERING DOCUMENT PREPARATION SY	TEST FOR	336
MI	MIL-T-45119	TANK, LIQUID PROPELLANT, GUIDED MISSILE, M2	REQUIRES	373
MI	MIL-T-47060	TOLUENE- 2,4 DIAMINE	TEST FOR	2311 and 736
MP	A-A-50890A	SCREEN, X-RAY PROTECTIVE, MOBILE	TEST WITH	1342
MR	FED-STD-601 CHG NOTICE	RUBBER: SAMPLING AND TESTING	UNKNOWN	353, 745, and 2427
MR	MIL-B-11595E	BAR, METAL AND BLANKS, STEEL (UNDER 2 INCHES	OPTIONAL	771
MR	MIL-B-12504E (1)	BAR, METAL & WIRE (NONELECTRICAL), CARBON AND	REQUIRES	771
MR	MIL-C-11090E	CLEANING COMPOUND, DEGREASING AND DEPRESERVIN	TEST FOR	2311 and 336
MR	MIL-C-14460C	CORROSION REMOVING COMPOUND, SODIUM HYDROXIDE	TEST WITH	834
MR	MIL-L-13188C (1)	LEATHER, CATTLE HIDE, CHROME-TANNED: HYDRAULI	REQUIRES	745
MR	MIL-L-13762B VALID NOT	LEAD ALLOY COATING, HOT DIP (FOR IRON AND STE	REQUIRES	1342
MR	MIL-L-13808B VALID NOT	LEAD PLATING, ELECTRODEPOSITED	REQUIRES	1342
MR	MIL-M-45202C VALID NOT	MAGNESIUM ALLOYS, ANODIC TREATMENT OF	REQUIRES	771, 1342, 2427, and 0

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
MR	MIL-P-50002B	PHOSPHATE COATING COMPOUNDS, FOR PHOSPHATING	REQUIRES	1342, 1574, 682, and 834
MR	MIL-T-46072A	TUBE, ROUND, COPPER ALLOY NUMBERS 330, 331, 3	TEST WITH	1411
MR	MMM-A-1108 VALID NOTIC	ADHESIVE, ASPHALT, CUT-BACK TYPE (FOR ASPHALT	TEST FOR	336
MR	MMM-A-181D VALID NOTIC	ADHESIVES, PHENOL, RESORCINOL OR MELAMINE BAS	REQUIRES	2427
MR	MMM-A-189C	ADHESIVE, SYNTHETIC-RUBBER, THERMOPLASTIC, GE	TEST FOR	336
MR	QQ-B-626D VALID NOTICE	BRASS, LEADED AND NONLEADED: ROD, SHAPES, FOR	TEST WITH	1411
MR	QQ-B-637A	BRASS, NAVAL: ROD, WIRE, SHAPES, FORGINGS, AN	TEST WITH	1411
MR	QQ-B-639B	BRASS, NAVAL: FLAT PRODUCTS (PLATE, BAR, SHEE	TEST WITH	1411
MR	QQ-C-390B VALID NOTICE	COPPER ALLOY CASTINGS (INCLUDING CAST BAR)	OPTIONAL	1574
MR	QQ-C-450A INT AMD 1	COPPER-ALUMINUM ALLOY (ALUMINUM BRONZE) PLATE	TEST WITH	1411
MR	QQ-W-321D	WIRE, COPPER ALLOY	TEST WITH	1411
MR	QQ-W-390/1	WIRE NONELECTRICAL, ROUND, NICKEL-CHROMIUM-IR	REQUIRES	771 and 1574
MR	TT-F-336E	FILLER, WOOD, PASTE	TEST FOR	336
MR	TT-P-641G (1)	PRIMER COATING, ZINC DUST-ZINC OXIDE (FOR GAL	TEST FOR	2311
MU	MIL-D-48046A	DETONATOR, STAB: XM91 LOADING, ASSEMBLING AND	TEST FOR	1342
MU	MIL-D-48116	DELAY ELEMENT M2, FOR FUZES M557 AND M524 PAR	TEST FOR	1342
MU	MIL-D-48221	DETONATOR ELECTRIC M95 (T61) PARTS FOR LOADIN	REQUIRES	1342
MU	MIL-D-60448	DETONATOR, ELECTRIC M78, PARTS AND LOADING, A	REQUIRES	1342
MU	MIL-F-60991B	FUZE, PD, M533 METAL PARTS FOR AND LOADING, A	TEST FOR	643 and 1342
MU	MIL-I-46231B (1)	IGNITER, ROCKET MOTOR, T21E2 LOADING, ASSEMBL	REQUIRES	1342
MU	MIL-M-48146	MOLYBDENUM TRIOXIDE (FOR USE IN AMMUNITION)	TEST WITH	1342 and 1342
MU	MIL-P-48250	PRIMER, STAB, M55 PARTS AND LOADING, ASSEMBLI	REQUIRES	1342
MU	MIL-P-50265	PRIMER, ELECTRIC, XM114 PARTS FOR, AND LOADIN	TEST WITH	2353
NU	MIL-B-2883D	BOATSWAIN'S PIPE	REQUIRES	1574
OS	DOD-B-82737/2	BALLS, BEARING, STEEL, CHROME ALLOY, METRIC	REQUIRES	771

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
OS	DOD-B-82737/6	BALLS, BEARING, NICKLE-COPPER ALLOY (K-MONEL)	REQUIRES	1574
OS	DOD-C-82660 (1)	CHROMIUM 2 ETHYL HEXOATE, TECHNICAL	REQUIRES	771
OS	DOD-M-82730	4, 4-METHYLENEBIS (2,6-DI-TERT-BUTYLPHENOL)	REQUIRES	336
OS	MIL-A-82484	ADHESIVE AND SEALING COMPOUNDS, CELLULOSE NIT	REQUIRES	336
OS	MIL-B-21465	BUTYL STEARATE - NORMAL	TEST FOR	745
OS	MIL-C-16555D	COATING COMPOUND, STRIPPABLE, SPRAYABLE	TEST FOR	2311, 1342, and 9998
OS	MIL-C-3301C (1)	COMPOUND, ASPHALTIC, HOT-MELT (CAVITY LINING)	TEST FOR	1342
OS	MIL-C-427A	COMPOSITION C-3	TEST FOR	336
OS	MIL-C-450C	COATING COMPOUND, BITUMINOUS SOLVENT TYPE, BL	TEST FOR	1342
OS	MIL-C-50765 (1)	CARTRIDGE DELAY, CCU-17/B, CCU-18/B, CCU19/B,	TEST FOR	1342
OS	MIL-C-82604 (1)	COMPOUND, ASPHALTIC, HIGH MELTING HOT-MELT (C	TEST WITH	682 and 1342
OS	MIL-D-18506 VALID NOTI	DETONATOR MARK 45 MOD 0	REQUIRES	1342
OS	MIL-D-18681 REINST NOT	DETONATOR MK 50 MOD 0	REQUIRES	1342
OS	MIL-D-19151A (2)	DETONATOR MARK 57 MODS 1 AND 2	REQUIRES	1342
OS	MIL-F-17111B	FLUID, POWER TRANSMISSION	REQUIRES	373
OS	MIL-G-19769B	GASKETS, SYNTHETIC RUBBER, OIL RESISTANT, SLI	TEST FOR	336
OS	MIL-G-21110	GUN BARRELS: GENERAL SPECIFICATIONS FOR	TEST FOR	771
OS	MIL-H-18766 REINST NOT	HYDRAULIC EQUIPMENT, ORDNANCE SHIPBOARD (GENE	REQUIRES	643
OS	MIL-I-19028E	INVERTER (FOR TORPEDO MARK 37 MODS 0, 2, AND	REQUIRES	1194
OS	MIL-L-17699	LEAD 2-ETHYL HEXOATE	REQUIRES	1342
OS	MIL-L-17700	LEAD SALICYLATE	REQUIRES	1342
OS	MIL-L-18618A	LEAD CARBONATE, BASIC, DRY (FOR ORDNANCE USE)	REQUIRES	1342
OS	MIL-L-30618	LECITHIN (FOR USE IN EXPLOSIVES)	TEST WITH	336
OS	MIL-L-60326 (1)	LUBRICANT, FLUOROCARBON TELOMER DISPERSION (F	REQUIRES	2348
OS	MIL-L-82531 VALID NOTI	LEAD EXPLOSIVE MK 5 MOD 0	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
OS	MIL-L-82661 (1)	LECITHIN, TECHNICAL	TEST WITH	336
OS	MIL-M-21383A (1)	MANGANESE DELAY COMPOSITION	REQUIRES	1342
OS	MIL-N-81191A	NICKEL-TITANIUM ALLOYS, LOW MAGNETIC EFFECTS;	REQUIRES	1574
OS	MIL-P-164048 (1)	PACKING, ASBESTOS	REQUIRES	1342
OS	MIL-P-16406A	PAINT, BLACK, HIGH-GLOSS, QUICK DRYING	TEST WITH	682
OS	MIL-P-18317	PLATING, BLACK NICKEL (ELECTRODEPOSITED) ON B	OPTIONAL	1574
OS	MIL-P-18704 (2)	PRIMER, COMBINATION, MARK 15 MODS 1 AND 2	TEST WITH	1411
OS	MIL-P-18704 (2)	PRIMER, COMBINATION, MARK 15 MODS 1 AND 2	OPTIONAL	1194
OS	MIL-P-18715 VALID NOTI	PRIMER, ELECTRIC, MARK 46 MOD 0	REQUIRES	1342
OS	MIL-P-19086E	POWER SUPPLY, HIGH VOLTAGE (FOR TORPEDO MARK	REQUIRES	1194
OS	MIL-P-19264A VALID NOT	PROPELLANT, CANNON, NACO	REQUIRES	931 and 1342
OS	MIL-P-19277B	POSITIONER, STEP (FOR TORPEDO MK 37 MOD 2)	OPTIONAL	1342
OS	MIL-P-21415C	PROTECTIVE FINISH AND PAINTING FOR POLARIS FL	OPTIONAL	643, 771, and 1574
OS	MIL-P-22332B (1)	PAINT, PRIMING, EXTERIOR AND INTERIOR (FOR AM	TEST FOR	2311
OS	MIL-P-231A (2)	PROPELLANT, PYROCELLULOSE	TEST FOR	1342
OS	MIL-R-19309C	RELAY, SENSITIVE (FOR TORPEDO MARK 37 MOD 2)	REQUIRES	1342
OS	MIL-R-21187C	RELAY, SENSITIVE (FOR TORPEDO MARK 37 MODS 0,	REQUIRES	1342
OS	MIL-R-21248B	RINGS, RETAINING (TAPERED AND REDUCED SECTION	REQUIRES	643
OS	MIL-R-22578B	RESORCINOL	TEST FOR	2427
OS	MIL-R-27426A	RINGS, RETAINING, SPIRAL (UNIFORM CROSS SECTI	REQUIRES	643
OS	MIL-STD-648A	DESIGN CRITERIA FOR SPECIALIZED SHIPPING CONT	REQUIRES	643
OS	MIL-S-81269	STABILIZER, BARIUM-CADMIUM	REQUIRES	643
OS	MIL-T 19029E	TIMER (FOR TORPEDO MARK 37 MODS 0 AND 3)	REQUIRES	1194
OS	MIL-T-22913C VALID NOT	TIMER (FOR TORPEDO MARK 37 MOD 2)	REQUIRES	1194
SA	MIL-F-83671 INT AMD 2	FOAM-IN-PLACE PACKAGING MATERIALS, GENERAL SP	TEST FOR	2311
SA	W-B-00136B	BATTERIES, STORAGE (LEAD ACID, INDUSTRIAL)	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
SD1	AA-B-606C INT AMD 1	BOXES, FILING, WOOD	TEST FOR	1574 and 643
SD1	AA-C-001770A	CABINETS, WARDROBE AND STORAGE, CONTEMPORARY	REQUIRES	771 and 643
SD1	AA-C-001771C	CHAIRS, DOUBLE SHELL, MOLDED PLASTIC, [illegible]NTARY,	REQUIRES	771
SD1	AA-C-001868A	CHAIRS, STRAIGHT, STACKING AND GANGING	REQUIRES	771
SD1	AA-D-001107 (2)	DESK, FLAT TOP, STEEL, OFFICE, 30 INCHES DEEP	REQUIRES	771 and 643
SD1	AA-D-001918	DESKS, FLAT TOP, STEEL, CONTEMPORARY STYLE	REQUIRES	643 and 771
SD1	AA-D-001923	DESK ATTACHMENTS, "L" RETURN PLATFORM, CONTEM	REQUIRES	643 and 771
SD1	AA-D-00195D	DESK, FLAT TOP, STEEL, CONFERENCE-TYPE	REQUIRES	771 and 643
SD1	AA-O-00200A INT AMD 1	OFFICE FURNITURE, EXECUTIVE (COMBINATION META	REQUIRES	771
SD1	AA-O-00240C	OFFICE FURNITURE, STEEL, UNITIZED GENERAL SPE	REQUIRES	643 and 771
SD1	AA-P-2750 NOTICE 1	PARTITION, OFFICE, PORTABLE FABRIC COVERED C	REQUIRES	771
SD1	AA-S-00697B	STOOLS, STEP, STEEL, FOLDING STEPS	REQUIRES	771
SD1	AA-T-001794C	TABLE, OFFICE (STEEL, CONTEMPORARY STYLE)	REQUIRES	771 and 643
SD1	A-A-1808B	FLATWARE, SILVERPLATED AND STAINLESS STEEL	REQUIRES	1574
SD1	A-A-1809B	TABLEWARE, SILVERPLATED AND STAINLESS STEEL	REQUIRES	1574
SD1	DESC-DWG-76004 REV E	MICROCIRCUITS, DIGITAL, LOW POWER SCHOTTKY TT	REQUIRES	1342
SD1	DESC-DWG-76015 REV E	MICROCIRCUIT, DIGITAL, LOW POWER SCHOTTKY TTL	REQUIRES	1342
SD1	DESC-DWG-76039 REV B	MICROCIRCUITS, DIGITAL, LOW POWER SCHOTTKY TT	REQUIRES	1342
SD1	DESC-DWG-76045 REV B	MICROCIRCUITS, DIGITAL, LOW POWER SCHOTTKY TT	REQUIRES	1342
SD1	DESC-DWG-77026 REV B	MICROCIRCUITS, DIGITAL CMOS, QUAD 3-STATE R/S	REQUIRES	1342
SD1	DESC-DWG-77031 REV A	MICROCIRCUITS, DIGITAL, CMOS, 14-STAGE RIPPLE	REQUIRES	1342
SD1	DESC-DWG-77035	MICROCIRCUITS, DIGITAL, CMOS, 4-BIT LATCH, 4-	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
SD1	DESC-DWG-77040 REV D	MICROCIRCUITS, LINEAR VOLTAGE REGULATOR, MONO	REQUIRES	1342
SD1	DESC-DWG-77048 REV C	MICROCIRCUITS, DIGITAL, CMOS, DUAL BINARY TO	REQUIRES	1342
SD1	FF-B-561D	BOLTS, (SCREW), LAG	OPTIONAL	643
SD1	GGG-B-001222	BIT, SCREWDRIVER (AND ADAPTER, SCREWDRIVER BI	OPTIONAL	1574, 643, and 771
SD1	GGG-C-1507A	CROWFOOT ATTACHMENT, SOCKET WRENCH	OPTIONAL	771
SD1	GGG-F-325B INT AMD 5	FILE, HAND (AMERICAN PATTERN) AND RASP, HAND	REQUIRES	1342
SD1	GGG-L-001345	LEAD JOINT RUNNER	UNKNOWN	1342
SD1	GGG-M-350A INT AMD 1	MIRROR INSPECTION	OPTIONAL	1574 and 771
SD1	GGG-P-00474	PLIERS: HOG RING STAPLE (UPHOLSTERER'S); BRAK	OPTIONAL	1574 and 771
SD1	GGG-P-501F	PLUMB BOB	REQUIRES	1194
SD1	GGG-S-00278A (4)	SHEARS AND SCISSORS	REQUIRES	771 and 1574
SD1	GGG-S-278 INT AMD 1	SHEARS AND SCISSORS	OPTIONAL	771 and 1574
SD1	GGG-W-00645B (1)	WRENCH, OPEN END BOX (AND BOX COMBINATION CRO	OPTIONAL	771, 1574, and 643
SD1	GGG-W-00656 (1)	WRENCH, SOCKET (SET, SPARK PLUG, HAND, INCLUD	OPTIONAL	1574, 643, and 771
SD1	GGG-W-00675A	WRENCH, SOCKET (SPIN TYPE, SCREWDRIVER GRIP)	OPTIONAL	771 and 643
SD1	GGG-W-636E	WRENCHES (BOX, OPEN END, AND COMBINATION)	OPTIONAL	771
SD1	GGG-W-641E	WRENCH, SOCKET; (AND SOCKETS, HANDLES, AND AT	REQUIRES	771
SD1	GGG-W-665B INT AMD 1	WRENCH, SPANNER	REQUIRES	771, 1574, and 643
SD1	GG-C-005908	COPYHOLDER, TYPIST'S	REQUIRES	643, 771, and 1574
SD1	GG-S-007508	STENCIL DUPLICATING PRINT KIT, HAND STAMP	REQUIRES	1574 and 771
SD1	GG-T-321D (2)	THERMOMETERS, SELF-INDICATING, LIQUID-IN-GLAS	REQUIRES	1194
SD1	GG-W-00101C	WASHERS, BEDPAN AND URINAL	OPTIONAL	1574 and 771

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
SD1	MIL-C-19555A	CLOTH, LAMINATED, ZS2G-1 TYPE AIRSHIP ENVELOP	TEST FOR	745
SD1	MIL-HDBK-205A	PHOSPHATE AND BLACK OXIDE COATING OF FERROUS	REQUIRES	771
SD1	MIL-HDBK-275A	GUIDE FOR SELECTION OF LUBRICANT FLUIDS AND C	UNKNOWN	374, 1342, and 0
SD1	MIL-HDBK-732	NONDESTRUCTIVE TESTING METHODS OF COMPOSITE M	REQUIRES	1342
SD1	MIL-I-23413C	INSERTS, WELDING, FILLER MATERIAL, COILED AND	REQUIRES	1574 and 771
SD1	MIL-M-21969B VALID NOT	MOTOR, DRIVE, TORPEDO, COUNTER-ROTATING 76 VD	REQUIRES	1194
SD1	MMM-A-00150B	ADHESIVE FOR ACOUSTICAL MATERIALS	TEST FOR	336
SD1	NN-H-101F	HANDLES, MOP (WET)	OPTIONAL	643
SD1	OO-C-566C	DISPENSER, DRINKING WATER, MECHANICALLY COOLE	REQUIRES	1574 and 771
SD1	P-C-1121B	CLEANING AND POLISHING COMPOUND, STAINLESS ST	TEST WITH	2348
SD1	P-W-120C	WAX, AUTOMOBILE (PASTE)	TEST WITH	373
SD1	RR-A-1255C	ASH RECEIVER, TOBACCO (WALL MOUNTED, PARABOLO	OPTIONAL	771
SD1	SS-P-155D INT AMD 4	PENCIL AND LEAD, ELECTROGRAPHIC	REQUIRES	1342
SD1	SS-P-166D INT AMD 7	PENCILS, LEAD	REQUIRES	1342
SD1	SS-P-186E	PENCIL, MECHANICAL (INCLUDING LEADS AND ERASE	REQUIRES	1342
SD1	SS-P-201D (2)	PENCIL, NONMECHANICAL, COLORED LEAD	REQUIRES	1342
SD1	TT-C-001951 (1)	COATING, CLEAR (SATIN-FINISH), POLYURETHANE,	TEST FOR	1342
SD1	TT-C-499A	COATING COMPOUND, CHEMICAL RESISTANT, CLEAR	TEST WITH	2423
SD1	TT-C-530B	COATING COMPOUND, RUST INHIBITIVE, FISH OIL B	TEST FOR	1342
SD1	TT-E-00488B (3)	ENAMEL, PRIMER COATING, AND CLEAR LACQUER (IN	TEST FOR	2311 and 1342
SD1	TT-E-491C	ENAMEL; GLOSS, SYNTHETIC (FOR METAL AND WOOD	TEST FOR	1342
SD1	TT-E-505B	ENAMEL (ODORLESS, ALKYD, INTERIOR, HIGH GLOSS	TEST FOR	1342
SD1	TT-E-506K (1)	ENAMEL, ALKYD, GLOSS, TINTS AND WHITE (FOR IN	TEST FOR	336 and 1342
SD1	TT-E-508C	ENAMEL, INTERIOR, SEMIGLOSS, TINTS AND WHITE	TEST FOR	336 and 1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
SD1	TT-L-50G (2)	LACQUER, NITROCELLULOSE, ACRYLIC AND ACRYLIC-	TEST FOR	1342
SD1	TT-P-001932 NOTICE 1	PAINT, LATEX BASE, INTERIOR, WHITE, TINTS AND	TEST FOR	1342
SD1	TT-P-001957	PAINT, LATEX (BACTERIOSTATIC AND FUNGISTATIC)	TEST FOR	1342
SD1	TT-P-001984	PRIMER COATING, LATEX BASE, EXTERIOR, (UNDERC	TEST FOR	1342
SD1	TT-P-104 VALID NOTICE	PAINT (WHITE LEAD AND OIL, EXTERIOR, READY-MI	REQUIRES	1342
SD1	TT-P-1411A (1)	PAINT, COPOLYMER-RESIN, CEMENTITIOUS (FOR WAT	REQUIRES	1342
SD1	TT-P-30E (1)	PAINT, ALKYD, ODORLESS, INTERIOR, FLAT WHITE	TEST FOR	1342
SD1	TT-P-32B	PAINT, BLACKBOARD COATING	TEST FOR	1342
SD1	TT-P-34B	PAINT, EXTERIOR, FIRE RETARDANT, WHITE AND LI	TEST FOR	1342 and 1194
SD1	TT-P-47G	PAINT, OIL, (NONPENETRATING-FLAT, READY-MIXED	TEST FOR	1342
SD1	TT-P-52D (2)	PAINT, OIL (ALKYD-OIL) WOOD SHAKES AND ROUGH	TEST FOR	1342
SD1	TT-P-605B (1)	PRIMER COATING, ALL PURPOSE GRAY, ALKYD (IN P	REQUIRES	1342
SD1	TT-P-71E	PAINT, EXTERIOR, GREEN, READY-MIXED	REQUIRES	1194 and 1342
SD1	TT-P-791A VALID NOTICE	PUTTY: LINSEED-OIL TYPE, (FOR WOOD-SASH-GLAZI	REQUIRES	1342
SD1	TT-P-81E	PAINT, OIL, ALKYD, READY MIXED EXTERIOR, MEDI	REQUIRES	1194 and 1342
SD1	TT-P-95C (1)	PAINT, RUBBER: FOR SWIMMING POOLS AND OTHER C	TEST FOR	1342
SD1	TT-S-001992	STAIN, LATEX, EXTERIOR FOR WOOD SURFACES	TEST FOR	1342
SD1	TT-S-171C (2)	SEALER, FLOOR: LACQUER-TYPE	TEST WITH	336
SD1	TT-S-190F	SEALERS, SANDING, LACQUER-TYPE (FOR WOOD FURN	TEST FOR	1342
SD1	TT-T-001386 (2)	THINNER, SYNTHETIC RESIN ENAMEL	TEST FOR	336
SD1	TT-V-71H	VARNISH, INTERIOR, FLOOR AND TRIM	TEST FOR	1342
SD1	TT-V-86C (1)	VARNISH, OIL, RUBBING (FOR METAL AND WOOD FUR	TEST FOR	2311
SD1	UU-C-002508	CASE, FILING, TRANSFER, COLLAPSIBLE	TEST FOR	1574, 771, and 643
SD1	WW-C-440B (2)	CLAMPS, HOSE, (LOW-PRESSURE)	OPTIONAL	643
SD1	WW-F-001910 (2)	FAUCET; DOUBLE, SINGLE, AND LAWN (LAUNDRY SIN	OPTIONAL	771

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
SD1	WW-S-610B (1)	SPRINKLER, LAWN, (SURFACE CONNECTED)	OPTIONAL	1574
SD1	WW-T-001914 (1)	TRAP, DRAIN, PLUMBING FIXTURE (P-TRAP) (LAND	REQUIRES	771
SH	DOD-B-15072E VALID NOT	BATTERIES, STORAGE, LEAD-ACID, PORTABLE; GENE	REQUIRES	1342
SH	DOD-B-24507B (1)	BATTERY CELLS, STORAGE, SILVER-ZINC ALKALINE	TEST FOR	1194
SH	DOD-B-24531 SUPP 1	BATTERY, STORAGE, SILVER-ZINC ALKALINE (EMERG	REQUIRES	1194
SH	DOD-B-24541A (1)	BATTERY CELLS AND ELEMENTS, LEAD-ACID, MAIN S	REQUIRES	1194
SH	DOD-C-24594 (1)	CELL, STORAGE, SILVER-ZINC ALKALINE TYPE (FOR	REQUIRES	1194
SH	DOD-C-24671	CLOTH, LINT-FREE, FLUSHING AND CLEANING	TEST WITH	1194
SH	DOD-E-18210B (1)	ENAMEL, INTERIOR, DECK, RED (FORMULA NO. 23)	TEST FOR	1342
SH	DOD-E-18214B	ENAMEL, INTERIOR, DECK, DARK GREEN (FORMULA N	TEST FOR	1342 and 771
SH	DOD-E-24607A	ENAMEL, INTERIOR, NONFLAMING (DRY), CHLORINAT	TEST FOR	1342
SH	DOD-E-24636	ELECTRODE, PH, COMBINATION SEALED	REQUIRES	1194
SH	DOD-E-698C	ENAMEL, ALKYD, DECK, BLACK (FORMULA NO. 24) (	TEST FOR	1342
SH	DOD-E-699D	ENAMEL, EXTERIOR, DECK, GRAY (FORMULA NO. 20)	TEST FOR	1342
SH	DOD-E-700A	ENAMEL, DECK, INTERIOR, GRAY (FORMULA NO. 20L	TEST FOR	1342
SH	DOD-HDBK-249A	METALS AND ALLOYS, RAPID ON-SITE IDENTIFICATI	TEST FOR	1574, 771, and 682
SH	DOD-P-15328D (1)	PRIMER (WASH), PRETREATMENT (FORMULA NO. 117	TEST FOR	771
SH	DOD-P-24562A	PROPELLERS, SHIP, CONTROLLABLE PITCH (METRIC)	REQUIRES	643
SH	DOD-STD-2185	REQUIREMENTS FOR REPAIR AND STRAIGHTENING OF	REQUIRES	1574
SH	DOD-STD-2188	BABBITTING OF BEARING SHELLS (METRIC)	OPTIONAL	1574
SH	J-W-1177B SUPP 1	WIRE, MAGNET, ELECTRICAL, GENERAL SPECIFICATI	OPTIONAL	1574
SH	MIL-A-18001J (2)	ANODES, CORROSION PREVENTIVE, ZINC; SLAB DISC	TEST FOR	6[illegible] and 1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
SH	MIL-A-21412A	ANODES, CORROSION PREVENTIVE, MAGNESIUM ALLOY	TEST FOR	1574
SH	MIL-A-22397 VALID NOTI	ADHESIVE, PHENOL AND RESORCINOL RESIN BASE (F	TEST FOR	2427
SH	MIL-B-23401E	BURNER, CARBON MONOXIDE AND HYDROGEN, CATALYT	REQUIRES	1194
SH	MIL-B-87031B	BOOTS, DIVERS (MK-12)	REQUIRES	1342
SH	MIL-C-17605C VALID NOT	CHARCOAL, ACTIVATED, UNIMPREGNATED	TEST FOR	682
SH	MIL-C-20218F	CHROMIUM PLATING, ELECTRODEPOSITED, POROUS	REQUIRES	771
SH	MIL-C-24196A	CLEANING SYSTEM, ULTRASONIC	REQUIRES	1194
SH	MIL-C-24314C	CANISTER, C-1	TEST WITH	726
SH	MIL-C-24679	COPPER-NICKEL ALLOY FORGINGS AND FORGING STOC	REQUIRES	1194
SH	MIL-D-22000B	DRY CLEANING PRESSES AND FINISHING EQUIPMENT,	REQUIRES	643
SH	MIL-D-24090 VALID NOTI	DISODIUM ETHYLENEDIAMINETETRAACETATE, DIHYDRA	TEST FOR	1342
SH	MIL-D-24151A	DOORS, ROLLING, CURTAIN, AND THEIR OPERATING	UNKNOWN	1194
SH	MIL-D-24620A	DETECTORS, PIN AND APD, FIBER OPTIC, GENERAL	REQUIRES	1574 and 1342
SH	MIL-E-17807B	ELEVATOR, WEAPON AND CARGO, ELECTROMECHANICAL	REQUIRES	1194
SH	MIL-F-15160F SUPP 1	FUSES: INSTRUMENT, POWER, AND TELEPHONE	OPTIONAL	1574
SH	MIL-F-16377/25A (1)	FIXTURES, LIGHTING; INCANDESCENT, GENERAL LIG	REQUIRES	1342
SH	MIL-F-21346B (1)	USEHOLDERS, BLOCK, AND SHROUD TYPE, AND ASSOF	OPTIONAL	1574
SH	MIL-F-24734	FIBERSCOPE, FIBER OPTIC (METRIC), GENERAL SPE	REQUIRES	643
SH	MIL-F-43883A VALID NOT	FOOD WARMER, INFRA-RED, ELECTRIC	REQUIRES	771 and 1574
SH	MIL-G-0021032E (2)	GASKETS, METALLIC-ASBESTOS, SPIRAL WOUND	TEST FOR	1194
SH	MIL-G-24716 (1)	GASKETS, METALLIC-FLEXIBLE GRAPHITE, SPIRAL W	TEST FOR	1194
SH	MIL-H-19457D	HYDRAULIC FLUID, FIRE-RESISTANT, NON-NEUROTOX	UNKNOWN	2423
SH	MIL-H-21367E SUPP 1	HULL FITTINGS, CONNECTORS, ADAPTER, END SEALS	OPTIONAL	1574
SH	MIL-H-22577C VALID NOT	HEATING ELEMENTS ELECTRICAL: CARTRIDGE, STRIP	REQUIRES	1574 and 771

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
SH	MIL-H-24135A SUPP 1	HOSE, SYNTHETIC RUBBER, WIRE REINFORCED, AND	REQUIRES	1574
SH	MIL-H-24136A	HOSE, SYNTHETIC RUBBER, SYNTHETIC FIBER REINF	REQUIRES	1574
SH	MIL-I-002703C (1)	INDICATORS, COMBUSTIBLE GAS AND OXYGEN, PORTA	TEST FOR	1342
SH	MIL-I-22960A	RADAR INDICATORS FOR NAVAL SURFACE SHIPS, SUB	REQUIRES	1194
SH	MIL-L-18052B (1)	LAMP, MERCURY XENON VAPOR, SEARCHLIGHT	REQUIRES	1194
SH	MIL-L-24131B VALID NOT	LUBRICANT, COLLOIDAL GRAPHITE IN ISOPROPANOL	REQUIRES	1194, 1342, and 0
SH	MIL-L-2710A	LINKS, CHAIN, DETACHABLE, REGULAR AND END PEA	REQUIRES	1342
SH	MIL-M-17191D	MOUNTS, RESILIENT; PORTSMOUTH BONDED SPOOL TY	TEST WITH	336
SH	MIL-M-17508E (2)	MOUNTS, RESILIENT; TYPES 6E2000, 6E900, 6E900	TEST WITH	336
SH	MIL-M-19379B	MOUNTS, RESILIENT, MARE ISLAND TYPES 11M15, 1	TEST WITH	336
SH	MIL-M-24476A	MOUNTS, RESILIENT: PIPE SUPPORT, TYPES 7M50,	TEST FOR	336
SH	MIL-N-25027/1	NUT, SELF-LOCKING, HEAVY HEX, (NON-METALLIC I	REQUIRES	1574
SH	MIL-N-634C	NAVIGATOR'S PLOTTING INSTRUMENT SET AND PLOTT	REQUIRES	1342
SH	MIL-P-15930C	PRIMER COATING, SHIPBOARD, VINYL-ZINC CHROMAT	OPTIONAL	771
SH	MIL-P-17303D (1)	PACKING MATERIALS, PLASTIC METALLIC AND PLAST	REQUIRES	1342
SH	MIL-P-17416C VALID NOT	PACKING MATERIAL, METALLIC, FLEXIBLE	REQUIRES	1342
SH	MIL-P-22088A	PURIFIERS, JET FUEL CENTRIFUGAL, NAVAL SHIPBO	REQUIRES	1194
SH	MIL-P-24293A	PACKING, HYDRAULIC, LEATHER, CATTLEHIDE, MINE	TEST FOR	745 and 336
SH	MIL-P-24380B	PAINT, ANCHOR CHAIN, SOLVENT TYPE, GLOSS BLAC	TEST WITH	2311
SH	MIL-P-24540A	PLANT, CARBON DIOXIDE REMOVAL, LIQUID ABSORBE	REQUIRES	1194
SH	MIL-P-24628	PENETRATORS, HULL, CONNECTORIZED, CONNECTORS,	REQUIRES	1574
SH	MIL-R-17131C (1)	RODS AND POWDERS, WELDING, SURFACING	TEST FOR	1194
SH	MIL-R-17882D	REPAIR KITS, METALLIC PIPE AND GENERAL PURPOS	TEST WITH	1574
SH	MIL-R-23074C	RUBBER TILE, RUBBER-AIR-LEAD-TYPE (RAL)	REQUIRES	1342

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
SH	MIL-R-2726B SUPP 1	RECEPTACLES, RECEPTACLE PLUGS, SWITCH AND REC	OPTIONAL	1574
SH	MIL-STD-1689	FABRICATION, WELDING, AND INSPECTION OF SHIPS	REQUIRES	1574
SH	MIL-STD-2193	HYDRAULIC SYSTEM COMPONENTS, SHIP METRIC	REQUIRES	643 and 0
SH	MIL-STD-419D	CLEANING, PROTECTING, AND TESTING PIPING, TUB	OPTIONAL	1574
SH	MIL-S-1222H (1)	STUDS, BOLTS, HEX CAP SCREWS, SOCKET HEAD CA'	REQUIRES	1574
SH	MIL-S-19551B	SEARCHLIGHTS, INCANDESCENT LAMP AND MERCURY-X	REQUIRES	1194
SH	MIL-S-24622A	SOURCES, LIGHT EMITTING DIODE (LED), FIBER OP	REQUIRES	1574 and 1342
SH	MIL-T-15005F	TUBES, CONDENSER AND HEAT EXCHANGER, COPPER-N	TEST FOR	1194
SH	MIL-T-17523D (1)	TURBINE, STEAM, AUXILIARY (AND REDUCTION GEAR	REQUIRES	1194
SH	MIL-T-24388C	THERMOCOUPLE AND RESISTANCE TEMPERATURE DETEC	TEST FOR	1574
SH	MIL-T-24398 (2)	TURBINE, STEAM AND REDUCTION GEAR, AUXILIARY,	REQUIRES	1194
SH	MIL-V-16468C NOTICE 1	VALVES, SHUTOFF, HYDROCARBON FUEL SERVICE 100	TEST WITH	2353
SH	MIL-V-24232A (1)	VALVES, PNEUMATIC 4-WAY, 2-POSITION MANUALLY	TEST WITH	2353
SH	MIL-V-24619 (1)	VALVE, QUICK CLOSING, FOR SATURATED STEAM SER	REQUIRES	643 and 1194
SH	MIL-V-24630 (3)	VALVES, CHECK, IN-LINE, FOR HYDRAULIC FLUID A	OPTIONAL	1194 and 1574
SH	MIL-V-24694	VALVE, HYDRAULIC RELIEF, 1.5 - 35 BARS (22 -	REQUIRES	643
SH	MIL-W-15000K	WATER-TESTING CHEMICALS, BOILER, SHIPBOARD US	REQUIRES	1406
SH	MIL-W-15154E VALID NOT	WOOD LAMINATES, OAK (FOR SHIP AND BOAT USE)	REQUIRES	2427
SH	MIL-W-16878E SUPP 1A	WIRE, ELECTRICAL, INSULATED, GENERAL SPECIFIC	OPTIONAL	1574 and 0
SH	MIL-W-17265F SUPP 1	WINCH, DRUM, POWER OPERATED (ELECTRIC-HYDRAUL	REQUIRES	643
SH	MIL-W-20096D	WEIGHT, BALLAST	REQUIRES	1342
SH	MIL-W-2038C (2)	WOOD LAMINATES, DOUGLAS FIR (FOR SHIP AND BOA	REQUIRES	2427

TABLE C-1

REFERENCES BY PREPARING ACTIVITY (Continued)

Preparing activity	Document	Title	Type of reference	Chemical
SH	MIL-W-24126 (1)	WOOD LAMINATES, SOUTHERN PINE (FOR SHIP AND B	REQUIRES	2427
SH	QQ-B-728 CANC	BRONZE MANGANESE; ROD, SHAPES, FORGINGS, AND	TEST WITH	1411
SH	QQ-L-201F (2)	LEAD SHEET	REQUIRES	1342
SH	W-R-175/3D (1)	REELS, PLASTIC, FIBERGLASS, METALLIC, AND MET	REQUIRES	1115
TD	MIL-T-82375	TRAINING AIDS, GUIDED MISSILE TAKE-APART MODE	REQUIRES	643 and 771
YD	MIL-E-17814E	EXPANSION JOINTS, PIPE, SLIP-TYPE PACKED	OPTIONAL	771
YD	MIL-HDBK-1015/2	CHEMICAL ENGINEERING ELECTROPLATING TECHNICAL	REQUIRES	643, 771, and 1584
YD	MIL-HDBK-1035	FAMILY HOUSING	TEST FOR	1342
YD	MIL-H-16451E VALID NOT	HEATERS, WATER LIQUID FUEL RESIDENTIAL (OIL-F	REQUIRES	1574
YD	MIL-P-28577B	PRIMER, WATER-BORNE, ACRYLIC OR MODIFIED ACRY	TEST FOR	1342
YD	MIL-P-28578B	PAINT, WATER-BORNE, ACRYLIC OR MODIFIED ACRYL	TEST FOR	1342
YD	MIL-V-18436F	VALVES, CHECK: BRONZE, CAST-IRON, AND STEEL B	OPTIONAL	1574
YD	OO-D-1388B	DISHWASHING MACHINES, COMMERCIAL (RACKLESS CO	REQUIRES	1574
YD	OO-D-1390B (1)	DISHWASHING MACHINES, SINGLE TANK (RACK, MANU	REQUIRES	1574
YD	OO-D-431E	DISHWASHING MACHINES, COMMERCIAL (RACK, STATI	REQUIRES	1574
YD	OO-W-1307B	WASHING MACHINES; POT AND PAN, COMMERCIAL (IN	REQUIRES	1574
YD	TT-E-509C	ENAMEL, ODORLESS, ALKYD, INTERIOR, SEMIGLOSS,	REQUIRES	1342
YD	TT-F-1098D	FILLER, BLOCK, SOLVENT-THINNED, FOR POROUS SU	TEST FOR	1342
YD	TT-P-110C	PAINT, TRAFFIC BLACK (NONREFLECTORIZED)	TEST WITH	336
YD	TT-P-19D	PAINT, LATEX (ACRYLIC EMULSION, EXTERIOR WOOD	TEST FOR	1342
YD	TT-P-24E	PAINT, OIL (EXTERIOR CONCRETE AND MASONRY)	TEST FOR	1342
YD	TT-P-86H	PAINT, RED-LEAD-BASE, READY-MIXED	TEST FOR	1342
ZZZ	MIL-C-45918	CLEVISES AND CONNECTORS (ROD END)	UNKNOWN	643

APPENDIX D

DOCUMENTS PROHIBITING THE USE OF HAZARDOUS MATERIALS

DOCUMENTS PROHIBITING THE USE OF HAZARDOUS MATERIALS

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS

Document	Title	Chemical	Preparing activity
A-A-1151B	DISPENSER, DRINKING WATER MECHANICALLY COOLED	1342	FSS
A-A-1152B	DISPENSER, DRINKING WATER MECHANICALLY COOLED	1342	FSS
A-A-1153B	DISPENSER, DRINKING WATER MECHANICALLY COOLED	1342	FSS
A-A-1154B	DISPENSER, DRINKING WATER MECHANICALLY COOLED	1342	FSS
A-A-2590	DISPENSER, DRINKING WATER, MECHANICALLY COOLE	1342	FSS
DOD-B-24668	BEARING UNIT, MAIN THRUST, SUBMARINE PROPULSI	1194	SH
DOD-M-24672 SUPP 1	MOLDS, AND MOLD HEATING PLATEN FOR MOLDING EL	1194	SH
MIL-A-28890	ANTENNA GROUP, OE-207/BR	1194	EC
MIL-B-45544D	BORING, DRILLING AND MILLING MACHINES, HORIZO	1194	IP
MIL-B-80004C	BORING AND MILLING MACHINES, PRECISION, HORIZ	1194	IP
MIL-B-80012C	BORING AND TURNING MACHINES, VERTICAL, AND LA	1194	IP
MIL-B-80083C	BENDING MACHINES, ROTARY HEAD, HORIZONTAL, HY	1194	IP
MIL-B-80115B VALID NOT	BENDING MACHINE, ANGLES, BARS, AND SHAPES, VE	1194	IP

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-B-80161C	BENDING MACHINES, ROTARY HEAD, TUBING, HYDRAU	1194	IP
MIL-B-80210B	BORING MACHINES, JIG, VERTICAL, SINGLE COLUMN	1194	IP
MIL-B-80223A VALID NOT	BENDING MACHINES, PIPE AND CONDUIT, HYDRAULIC	1194	IP
MIL-B-80247B	BENDING MACHINES, SHEET AND PLATE, CYLINDRICA	1194	IP
MIL-B-80248A	BORING AND TURNING MACHINES, VERTICAL, COMPUT	1194	IP
MIL-B-80272	BORING MACHINES, JIG VERTICAL, DOUBLE COLUMN,	1194 and 1342	IP
MIL-B-9925D	BORING MACHINES, JIG, VERTICAL, SINGLE COLUMN	1194	IP
MIL-C-18843E	CUTTING MACHINE, OXYGEN-FUEL, MOTOR DRIVEN, P	1194	IP
MIL-C-19836B (1)	COOLERS, FLUID, INDUSTRIAL, AIR, MOTOR AND GE	1194	SH
MIL-C-22249B SUPP 1	CONNECTOR SETS, ELECTRICAL, HERMETICALLY SEAL	1194	SH
MIL-C-24231D SUPP 1	CONNECTORS, PLUGS, RECEPTACLES, ADAPTERS, HUL	1194	SH
MIL-C-53039A	COATING, ALIPHATIC POLYURETHANE, SINGLE COMPO	1342, 931, 1063, and 771	ME
MIL-C-80036C	CUTTING MACHINE, OXYGEN FLAME AND PLASMA ARC,	1194	IP
MIL-C-80090C	CUTTING SYSTEM, METAL, PLASMA ARC	1194	IP
MIL-C-80111C	CUTTING MACHINE, SHAPE, OXYGEN AND FUEL-GAS,	1194	IP

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-C-80265	CUTTING MACHINES, OXYGEN FLAME AND PLASMA ARC	1194	IP
MIL-D-16191F	DETECTORS, EXPLOSIVE VAPOR	1342	SH
MIL-D-16196E	DISTILLATION UNIT, WATER, THERMOCOMPRESSION	643	SH
MIL-D-16196E	DISTILLATION UNIT, WATER, THERMOCOMPRESSION	1194	SH
MIL-D-45815E	DRILLING MACHINE, RADIAL, BENCH TYPE, SLIDING	1194	IP
MIL-D-80002E (1)	DRILLING MACHINE, UPRIGHT FLOOR TYPE, ROUND A	1194	IP
MIL-D-80038E	DRILLING MACHINE, UPRIGHT, ROUND COLUMN, ELEC	1194	IP
MIL-D-80076C	DRILLING MACHINES, UPRIGHT, BOX COLUMN, FLOOR	1194	IP
MIL-D-80229A	DEPOSITION MACHINE, CARBIDE	1194	IP
MIL-D-80262B	DRILLING MACHINE, RADIAL, FLOOR MOUNTED	1194	IP
MIL-E-2036D	ENCLOSURES FOR ELECTRIC AND ELECTRONIC EQUIPM	1194	SH
MIL-E-80023D (1)	ELECTRICAL DISCHARGE MACHINE, VERTICAL, RAM A	1194	IP
MIL-E-80030C	MILLING MACHINE, TWO AND THREE DIMENSIONAL EN	1194	IP
MIL-E-80130C (1)	ELECTRO-EROSION MACHINE, METAL DISINTEGRATING	1194	IP
MIL-E-80158B	ELECTRO-EROSION MACHINES, ELECTRIC DISCHARGE	1194	IP
MIL-E-80238B	ELECTRO-EROSION MACHINE, ELECTRO-CHEMICAL, HO	1194	IP

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-E-80254A	ELECTRO-CHEMICAL MACHINE, GRINDING, SURFACE	1194	IP
MIL-E-80270A	ELECTRICAL DISCHARGE MACHINE, CNC, WIRE	1194	IP
MIL-F-12075D	FORGING MACHINE, HAMMER, VERTICAL, ELECTRIC-P	1194	IP
MIL-F-19426D	FORMING MACHINES, SHEET AND PLATE	1194	IP
MIL-F-24646	FUSE BOXES, GENERAL SPECIFICATION FOR	1194	SH
MIL-F-80056B	FURNACES, HEAT TREATING, ELECTRIC, BATH TYPE	1194	IP
MIL-F-80069D	FLARING, FLANGING, AND BEADING MACHINES, TUBE	1194	IP
MIL-F-80079C	FURNACES, HEAT TREATING, ELECTRIC CONTROLLED	1194	IP
MIL-F-80082B	FURNACES, HEAT-TREATING AND BRAZING, ELECTRIC	1194	IP
MIL-F-80089B	FURNACES, HEAT-TREATING, GAS-FIRED, BOX-TYPE,	1194	IP
MIL-F-80113D	FURNACES, VACUUM, HEAT TREATING AND BRAZING	1194	IP
MIL-F-80120B (1)	FURNACES, HEAT-TREATING AND QUENCHING, IN AND	1194	IP
MIL-F-80133B	FURNACES, HEAT TREATING, PIT TYPE, ELECTRIC,	1194	IP
MIL-F-80146A	FURNACES, HEAT TREATING, GAS FIRED, PIT TYPE,	1194	IP
MIL-F-80188B	FURNACES, HEAT TREATING, ELECTRIC, METAL LINE	1194	IP
MIL-F-80233B	FURNACES, VACUUM, HEAT TREATING INTEGRAL QUEN	1194	IP

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-F-80258A	FURNACES, HEAT-TREATING, ELECTRIC, NATURAL AT	1194	IP
MIL-G-23368D	GRINDING MACHINES, CYLINDRICAL, EXTERNAL, PLA	1194	IP
MIL-G-23681C VALID NOT	GRINDING MACHINES, JIG, VERTICAL	1194	IP
MIL-G-23681C VALID NOT	GRINDING MACHINES, JIG, VERTICAL	1194	IP
MIL-G-26869D	GROOVING MACHINE, SHEET METAL, FLOOR MOUNTING	1194	IP
MIL-G-45072G	GRINDING MACHINES, DRILL, MANUAL	1194	IP
MIL-G-80025C VALID NOT	GRINDING MACHINES, CARBIDE TOOL BIT AND CARBI	1194	IP
MIL-G-80073C	GRINDING MACHINES, INTERNAL, CHUCKING, UNIVER	1194	IP
MIL-G-80088D (1)	GRINDING MACHINES, SURFACE, RECIPROCATING TAB	1194	IP
MIL-G-80125B	GRINDING MACHINES, SURFACE, ROTARY, VERTICAL	1194	IP
MIL-G-80126B	GRINDING MACHINES, DISC, HORIZONTAL, DOUBLE E	1194	IP
MIL-G-80145B	GRINDING MACHINES, SURFACE, RECIPROCATING TAB	1194	IP
MIL-G-80152B	GOUGING AND CUTTING MACHINE, MECHANIZED, DIRE	1194	IP
MIL-G-80159A	GENERATORS, ENDOTHERMIC ATMOSPHERE	1194	IP
MIL-G-80163B	GRINDING MACHINES, SURFACE, ROTARY TABLE, HOR	1194	IP
MIL-G-80167A VALID NOT	GENERATORS, EXOTHERMIC ATMOSPHERE	1194	IP

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-G-80179A	GRINDING MACHINE, CENTER HOLE, VERTICAL, FLOO	1194	IP
MIL-G-80180B VALID NOT	GRINDING MACHINES, INTERNAL, CHUCKING, HORIZO	1194	IP
MIL-G-80189A	GRINDING MACHINES, WOOD-CUTTING, CIRCULAR SAW	1194	IP
MIL-G-80228B	GRINDING MACHINE, INTERNAL, PLANETARY HEAD, H	1194	IP
MIL-G-80239B	GRINDING MACHINES, NON-TRAVERSING ROTARY TABL	1194	IP
MIL-G-80266A	GRINDING MACHINES, TOOL AND CUTTER, FLUTE AND	1194	IP
MIL-G-80267 VALID NOTI	GRINDING MACHINES, JIG, VERTICAL, CNC	1194	IP
MIL-G-80268A	GRINDING MACHINES, TOOL AND CUTTER; AND GRIND	1194	IP
MIL-G-80275	GRINDING MACHINES, CIRCULAR SAW BLADE, METAL-	1194	IP
MIL-G-80278	GRINDING MACHINE, CYLINDRICAL, EXTERNAL, CENT	1194	IP
MIL-H-80009B VALID NOT	HONING MACHINE, HORIZONTAL, SINGLE SPINDLE, M	1194	IP
MIL-H-80045B VALID NOT	HEATERS, INDUCTION, HIGH FREQUENCY, TUBE TYPE	1194	IP
MIL-I-87928 (2)	INDICATOR, ATTITUDE, TYPE ARU-51/A	643 and 71	
MIL-L-13896E	LATHES, ENGINE, GAP, SLIDING BED AND REMOVABL	1194	IP
MIL-L-19368C	LATHE, ENGINE, MOTOR DRIVE, BENCH, 16-INCH SW	1342 and 1194	SH

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-L-23225C	LATHE, PRECISION, INSTRUMENT	1194	IP
MIL-L-23249D (3)	LATHES, ENGINE AND TOOL ROOM 13 THROUGH 17 IN	1194	IP
MIL-L-23251E	LATHES, ENGINE AND TOOLROOM 2516 AND 3220	1194	IP
MIL-L-23257E	LATHES, ENGINE AND TOOLROOM, SIZES 1609 AND 2	1194	IP
MIL-L-23400E (1)	LATHES, ENGINE AND TOOLROOM	1194	IP
MIL-L-4533F	LATHES, TURRET, HORIZONTAL, UNIVERSAL, RAM TY	1194	IP
MIL-L-80007E	LATHES, TOOLROOM, 11-INCH THROUGH 13-INCH	1194	IP
MIL-L-80047D	LATHES, WOODWORKING, PATTERNMAKERS	1194	IP
MIL-L-80053D	LATHES, TURRET, HORIZONTAL, COMPUTER NUMERICA	1194	IP
MIL-L-80081D	LATHES, WOODWORKING	1194	IP
MIL-L-80245A	LATHE, MULTIPLE PURPOSE, CHUCKING, HORIZONTAL	1194	IP
MIL-L-80277	LATHES, PRECISION, TOOLROOM, VARIABLE SPEED,	1194	IP
MIL-M-23677A	METER, AMPERE-HOUR (NONMERCURY TYPE)	1194	SH
MIL-M-80016C (1)	MILLING MACHINES, VERTICAL, KNEE TYPE, SIZES	1194	IP
MIL-M-80033C	MILLING MACHINES, COMBINATION HORIZONTAL AND	1194	IP
MIL-M-80044D	MILLING MACHINES, HORIZONTAL SPINDLE, KNEE TY	1194	IP

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-M-80051D	MILLING MACHINES, VERTICAL SPINDLE, KNEE TYPE	1194	IP
MIL-M-80067D	MORTISERS, VERTICAL	1194	IP
MIL-M-80141C	METALLIZING OUTFITS, POWDER-GUNS AND ACCESSOR	1194	IP
MIL-M-80173B	MANIPULATORS, AUTOMATIC WELDING HEAD, STATION	1194	IP
MIL-M-80177A	MILLING MACHINE, PLANER TYPE, DOUBLE HOUSING	1194	IP
MIL-M-80197A	MANIPULATORS, AUTOMATIC WELDING HEAD, TRAVELI	1194	IP
MIL-M-80204B	MILLING MACHINES, HORIZONTAL PROFILER, TRAVEL	1194 and 1342	IP
MIL-M-80209B INT AMD 1	MILLING MACHINE, VERTICAL KNEE TYPE, 3 AXIS,	1194 and 1342	82
MIL-M-80212B	MILLING MACHINES, VERTICAL, SINGLE AND MULTIP	1342 and 1194	IP
MIL-M-80226B	METALLIZING SYSTEM, ELECTRIC ARC	1194	IP
MIL-M-80255B	MACHINING CENTERS, VERTICAL, SINGLE SPINDLE,	1194	IP
MIL-M-80263 (3)	MACHINING CENTERS, HORIZONTAL, SINGLE SPINDLE	1194	IP
MIL-M-80264 (3)	MACHINING CENTERS, HORIZONTAL, SINGLE SPINDLE	1194	IP
MIL-M-80269	MACHINING CENTERS, VERTICAL, SINGLE SPINDLE,	1194	IP
MIL-P-17639F (2)	PUMPS, CENTRIFUGAL, MISCELLANEOUS SERVICE, NA	1194	SH
MIL-P-17840C	PUMPS, CENTRIFUGAL, CLOSE-COUPLED, NAVY STAND	1194	SH

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-P-18144A	PUMPS, CENTRIFUGAL, CARGO OIL SERVICE NAVAL S	1194	SH
MIL-P-18682D	PUMPS, CENTRIFUGAL, MAIN CONDENSER CIRCULATIN	1194	SH
MIL-P-24082D	PLANT, CARBON DIOXIDE REMOVAL, LIQUID ABSORBE	1194	SH
MIL-P-24583A	PACKING MATERIAL, GRAPHITIC OR CARBON BRAIDED	1194	SH
MIL-P-80008D	PUNCHING MACHINE, METAL, TURRET TYPE, HAND OP	1194	IP
MIL-P-80026C	PUNCHING MACHINE, METAL, POWER DRIVEN, TURRET	1194	IP
MIL-P-80041D	PRESSES, MECHANICAL, OPEN-BACK-INCLINABLE (OB	1194	IP
MIL-P-80052C	PRESS BRAKES, POWER OPERATED, HYDRAULIC, SHEE	1194	IP
MIL-P-80054D	PUNCHING MACHINE, METAL, TURRET TYPE, COMPUTE	1342 and 1194	IP
MIL-P-80068C	POSITIONER, WELDING, TABLE TYPE, GEAR DRIVEN	1194	IP
MIL-P-80072B	PUNCHING MACHINE, METAL, POWER DRIVEN, SINGLE	1194	IP
MIL-P-80085B	POSITIONERS, WELDING, HEADSTOCK, TAILSTOCK, A	1194	IP
MIL-P-80104D	PRESS, SWAGING, WIRE ROPE FITTINGS, HYDRAULIC	1194	IP
MIL-P-80107B	PRESSES, MECHANICAL, SINGLE POINT, STRAIGHT S	1194	IP
MIL-P-80109D	PLASMA SPRAY SYSTEMS, MANUALLY OPERATED	1194	IP

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-P-80114D	PRESSES, HYDRAULIC, VERTICAL, C- (GAP) FRAME	1194	IP
MIL-P-80135B	PRESSES, MECHANICAL, STRAIGHT SIDED, TIE RODS	1194	IP
MIL-P-80172C	PUNCHING MACHINES, METAL, SINGLE END TYPE, CO	1194 and 1342	IP
MIL-P-80178B	PRESSES, STRAIGHTENING, GAP TYPE, HYDRAULIC P	1194	IP
MIL-P-80186A	POSITIONERS, WELDING, ROTATING TABLE TYPE, CA	1194	IP
MIL-P-80261 (1)	PRESSES, ARBOR, HAND-OPERATED	1194	IP
MIL-P-80276	PRESS BRAKES, HYDRAULICALLY OPERATED, SHEET A	1194	AL
MIL-STD-2197	BRUSH ELECTROPLATING ON MARINE MACHINERY	643, 0, and 771	SH
MIL-S-15743B VALID NOT	SWITCHES, ROTARY, ENCLOSED	1194	SH
MIL-S-16036K (1)	SWITCHGEAR, POWER, NAVAL SHIPBOARD	643 and 1194	SH
MIL-S-23378D	SCREW MACHINES, AUTOMATIC, SINGLE SPINDLE, 1/	1194	IP
MIL-S-24034E	SAWS, BAND, METAL CUTTING, CONTOUR, POWER FEE	1194	IP
MIL-S-24036E	SAWS, BAND, CUTOFF, HORIZONTAL, NON-ADJUSTABL	1194	IP
MIL-S-26753D	SANDER, DISK AND SPINDLE, WOODWORKING	1194	IP
MIL-S-45860D	SHRINKING AND STRETCHING MACHINE, SHEET METAL	1194	IP

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-S-80060D	SHEARING, NIBBLING, AND FORMING MACHINES; UNI	1194	IP
MIL-S-80086D	SHEARING MACHINES, METAL SQUARING, HYDRAULIC	1194	IP
MIL-S-80093B	SHEARING MACHINES, ROTARY, RING AND CIRCLE, M	1194	IP
MIL-S-80201C	SAWS, BAND, METAL CUTTING, VERTICAL, CONTOUR	1194	IP
MIL-S-80224A	SHEARING MACHINE, METAL NOTCHING, POWER DRIVE	1194	IP
MIL-S-80271	SHEARING MACHINE, METAL SQUARING, MECHANICAL	1194	IP
MIL-S-80274	SAWS, POWER, HACK, 6-INCH THROUGH 24-INCH WOR	1194	IP
MIL-T-13291F	TANKS, HOT-DIP, DIRECTLY AND INDIRECTLY HEATE	1194	IP
MIL-T-45169D	TANK, PRESSURE, AIR, PORTABLE	1194	AL
MIL-T-52585B	TESTER, HYDRAULIC SYSTEMS, PORTABLE	1194	AL
MIL-T-52914B	TOOL OUTFIT, HYDRAULIC SYSTEMS TEST AND REPAI	1194	AL
MIL-T-80112D	THREAD AND FORM ROLLING MACHINES, ROTARY DIE,	1194	IP
MIL-T-80131B	TURNING ROLLS, WELDING, POWERED TYPE AND IDLE	1194	IP
MIL-T-80144C	TANKS, METAL FINISHING	1194	IP
MIL-T-80218A	TABLES, ROTARY, HORIZONTAL, MANUAL AND POWER	1194	IP
MIL-W-23680E	STUD WELDING SYSTEMS, DC, INTEGRAL POWER SOUR	1194	IP

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-W-7973F	WELDING MACHINE, ELECTRICAL RESISTANCE, SPOT,	1194	IP
MIL-W-80024D	WELDING MACHINES, ARC, AC, TRANSFORMER, CONST	1194	IP
MIL-W-80027D (2)	WELDING MACHINES, ARC, AC/DC TRANSFORMER-RECT	1194	IP
MIL-W-80040E	WELDING MACHINE, ARC, DC, TRANSFORMER-RECTIFI	1194	IP
MIL-W-80046D	WELDING MACHINES, RESISTANCE, STORED ENERGY,	1194	IP
MIL-W-80062C	ELDING MACHINES, ARC, DC, TRANSFORMER-RECTIFW	1194	IP
MIL-W-80070D (2)	WELDING MACHINE, ELECTRICAL, RESISTANCE, SPOT	1194	IP
MIL-W-80075C	WELDING POWER SOURCE, ARC, DC, TRANSFORMER-RE	1194	IP
MIL-W-80087C	WELDING MACHINES, ELECTRICAL RESISTANCE, SPOT	1194	IP
MIL-W-80102C VALID NOT	WELDING SET, ARC, GAS SHIELDED, CONSUMABLE EL	1194	IP
MIL-W-80103C	WELDING EQUIPMENT, ARC, PIPE OR TUBE, AUTOMAT	1194	IP
MIL-W-80105C (3)	WELDING TORCH SETS, ARC, GAS-SHIELDED TUNGSTE	1194	IP
MIL-W-80110C	STUD WELDING UNITS, INDEPENDENT DC POWER SOUR	1194	IP
MIL-W-80117B VALID NOT	WELDING SETS, SUBMERGED ARC	1194	IP
MIL-W-80121B (1)	WELDING MACHINE, RESISTANCE, SPOT, PORTABLE T	1194	IP

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
MIL-W-80124C (1)	WELDING MACHINES (MICROWELDER), RESISTANCE, S	1194	IP
MIL-W-80134A	WELDING MACHINES, ARC, DC TRANSFORMER-RECTIFI	1194	IP
MIL-W-80165B (1)	WELDING MACHINE, ARC, DC, GENERATOR, CONSTANT	1342 and 1194	IP
MIL-W-80183C	WELDING MACHINES, ELECTRICAL RESISTANCE, ROLL	1194	IP
MIL-W-80187A VALID NOT	WELDING MACHINES, ULTRASONIC BONDING, MINIATU	1194	IP
MIL-W-80191B	WELDING MACHINES, ARC, DC, TRANSFORMER-RECTIF	1194	IP
MIL-W-80192C (1)	WELDING MACHINE, RESISTANCE, SPOT AND SEAM, M	1194	IP
MIL-W-80211B	WELDING MACHINE (MICROWELDER), RESISTANCE, ST	1194	IP
MIL-W-80227A	WELDING MACHINE, ULTRASONIC, SPOT	1194	IP
MIL-W-80232B (1)	WELDING MACHINE, ARC, AC/DC, TRANSFORMER-RECT	1194	IP
MIL-W-80235B	WELDING MACHINES, ELECTRICAL RESISTANCE, SPOT	1194	IP
MIL-W-80243B	WELDING MACHINES ARC, (DC, TRANSFORMER-RECTIF	1194	IP
MIL-W-80244B	WELDING MACHINE, FRICTION	1194	IP
MIL-W-80253B (1)	WELDING MACHINES, ELECTRICAL, RESISTANCE, SPO	1194	IP
MIL-W-80256A (1)	WELDING MACHINES, ELECTRICAL RESISTANCE, SPOT	1194	IP
OO-S-236D	SAW, CIRCULAR, TABLE TYPE, WOODWORKING, SINGL	1194	FSS

TABLE D-1

ALPHABETICAL LISTING OF DOCUMENTS PROHIBITING HAZARDOUS MATERIALS (Continued)

Document	Title	Chemical	Preparing activity
OO-S-811D (1)	SURFACERS (PLANERS), WOODWORKING	1194	IP
TT-P-002119	PAINT, LATEX-BASE, HIGH-TRAFFIC AREA, FLAT AN	1342	YD
TT-P-1510A (1)	PAINT, LATEX, EXTERIOR, FOR WOOD SURFACES, WH	1342	SD1

APPENDIX E

PREPARING ACTIVITIES

PREPARING ACTIVITIES

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE

Code	Activity
01	AIR FORCE DEPARTMENTAL STANDARDIZATION OFFICE (DepSO) SAF SAF/AQXA AF DepSO Washington, DC 20330-1000 (202) 697-6513
02	ACS FOR COMMAND, CONTROL, COMMUNICATIONS AND COMPUTER SYSTEMS HQ USAF (SCTT) ATTN: IPSC Washington, DC 20330-5190 (202) 695-0499
03	OFFICE OF THE SURGEON GENERAL, HQ USAF HQ USAF/SGPT Building 5681 Bolling AFB, DC 20332-6188 (202) 767-5078
04	DIRECTORATE OF ENGINEERING AND SERVICES, USAF HQ USAF (AF/LEEES) Building 516, Bolling AFB Washington, DC 20332-5000 (202) 767-4260
05	DIRECTORATE OF CONTRACTING AND MANUFACTURING POLICY, HQ USAF Manufacturing and Quality Assurance Group SAF/AQCM Washington, DC 20330-1000 (202) 695-4976
06	INTERNATIONAL STANDARDIZATION OFFICE Directorate of Plans/DCS P&O HQ USAF/XOXX(ISO) Washington, DC 20330-5058 (202) 697-2092, 2139

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
10	COMMAND STANDARDIZATION OFFICE (ComSO), HQ AFSC HQ AFSC/PLEQ Andrews AFB, MD 20334-5000 (301) 981-2751
11 (sometimes 20)	AERONAUTICAL SYSTEMS DIVISION, AFSC Standards Division ASD/ENES Wright-Patterson AFB, OH 45433-6503 (513) 255-6295
12	AF ASTRONAUTICS LABORATORY, AFSC AFAL/TSTR Edwards AFB, CA 93523-5000 (805) 275-5014
13	ELECTRONIC SYSTEMS DIVISION, AFSC HQ ESD/PLP Standardization Office Hanscom AFB, MA 01731-5000 (617) 377-2918
14	BALLISTIC MISSILES OFFICE, AFSC BMO/AWD Norton AFB, CA 92409-6468 (714) 382-4806
15	AF WEAPONS LABORATORY, AFSC AFWL/SUE Kirtland AFB, NM 87117-6008 (505) 844-4641, 9406
16	TECHNICAL DATA BRANCH AFLC HQ AFLC/MMTIB Wright-Patterson AFB, OH 45433-5001 (513) 257-2229
17	ROME AIR DEVELOPMENT CENTER, AFSC RADC/RBE-2 Griffiss AFB, NY 13441-5700 (315) 330-2101
18	ARMAMENT DIVISION, AFSC AD/CZX Eglin AFB, FL 32542-5000 (904) 882-3053

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
19	SPACE DIVISION, AFSC SD/ALM P.O. Box 92960 Los Angeles AFS, CA 90009-2960 (213) 643-1966
20	See Code 11
21	AF AVIONICS CONTROL Deputy for Avionics Control ASD-AFALC/AXA Wright-Patterson AFB, OH 45433 (513) 255-5385
21R	DIRECTOR, POLICIES AND STANDARDS ODASD(C) IRM Department of Defense Room 1C535, Pentagon Washington, DC 20301-1100 (202) 695-2554
23	QUALITY ASSURANCE OFFICE, HQ AFLC HQ AFLC/MMQ Wright-Patterson AFB, OH 45433 (513) 257-5567
24	DIRECTOR: RELIABILITY, MAINTAINABILITY AND TECHNOLOGY POLICY HQ AFLC/MMT Wright-Patterson AFB, OH 45433-5001 (513) 257-2258
25	DIRECTORATE OF ACQUISITION LOGISTICS, HQ AFLC HQ AFLC/MMA Wright-Patterson AFB, OH 45433-5001 (513) 257-7119
26	COMMAND STANDARDIZATION OFFICE (ComSO) HQ AFLC HQ AFLC/MMIPC (ComSO) Wright-Patterson AFB, OH 45433-5001 (513) 257-3314
28	COMMAND CHAPLAIN, HQ AFLC HQ AFLC/HC Wright-Patterson AFB, OH 45433-5001 (513) 257-6627

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
2FYE	GSA-FSS (OFFICE SUPPLIES AND PAPER PRODUCTS COMMODITY CENTER) Engineering Division 26 Federal Plaza New York, NY 10278 (212) 264-3573
30	AEROSPACE GUIDANCE AND METROLOGY CENTER (AFLC) AGMC/MLSR Newark Air Force Base, OH 43057-5475 (614)522-7397, 7551
34	AIR FORCE MORTUARY SERVICES HQ AFESC/EEHM Tyndall AFB, FL 32403-6001 (904) 283-6187
43	PACKAGING POLICY BRANCH, HQ AFLC HQ AFLC/DSTZT Wright-Patterson AFB, OH 45433-5999 (513) 257-4519
45	AIR FORCE CLOTHING AND TEXTILE OFFICE, AFLC AFC & TO/MMIC 2800 South 20th Street Philadelphia, PA 19101-8419 (215) 952-3840
50	AIR FORCE ENGINEERING AND SERVICES CENTER, AFESC HQ AFESC Tyndall AFB, FL 32403-6001 (904) 283-6187
68	DIRECTORATE OF ENERGY MANAGEMENT, AFLC SA-ALC/SFRM Kelly AFB, TX 78241-5000 (512) 925-7414
69	AIR FORCE PACKAGING EVALUATION ACTIVITY,HQ AFLC HQ AFLC/DSTZT Wright-Patterson AFB, OH 45433-5999 (513) 257-4519
70	OGDEN AIR LOGISTICS CENTER, AFLC OO-ALC/MMEDO Hill AFB, UT 84056-5609 (801) 777-5473

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
71	OKLAHOMA CITY AIR LOGISTICS CENTER, AFLC OC-ALC/MMEDO Tinker AFB, OK 73145-5990 (405) 736-5648
79	DIRECTORATE OF SPECIAL WEAPONS, AFLC SA/ALC/SWRC Kelly AFB, TX 78241-5000 (512) 925-5805
7FXE	GSA-FSS (GENERAL PRODUCTS COMMODITY CENTER) Engineering Division 819 Taylor Street Fort Worth, TX 76102-6114 (817) 334-4420
80	SACRAMENTO AIR LOGISTICS CENTER, AFLC SM-ALC/MMEAA McClellan AFB, CA 95652-5609 (916) 643-4613
82	SAN ANTONIO AIR LOGISTICS CENTER, AFLC SA-ALC/MMEDO Kelly AFB, TX 78241-5990 (512) 925-6314
84	WARNER ROBINS AIR LOGISTICS CENTER, AFLC WR-ALC/MMEDTB Robins AFB, GA 31098-5609 (912) 926-2748
85	ELECTRONIC SUPPORT DIVISION AFLC 2750 ABW/ES Gentile AF Station Dayton, OH 45444-4500 (513) 296-5517
89	AIR FORCE CRYPTOLOGIC SUPPORT CENTER, HQ ESC AFCSC/MMOLS San Antonio, TX 78243 (512) 925-2195
90	HQ AIR FORCE COMMUNICATIONS COMMAND, AFCC EEG/EEMTS Scott AFB, IL 62225-6348 (618) 256-2975

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
91	HQ ENGINEERING INSTALLATION DIVISION, AFCC HQ EID/EIS Tinker AFB, OK 73145-6343 (405) 734-9286
92	HQ STANDARD SYSTEMS CENTER, AFCC HQ SSC/XPTS Gunter AFB, AL 36114-6343 (205) 279-4843
93	HQ TACTICAL AIR COMMAND, TAC HQ TAC/SCX Langley AFB, VA 32665-6343 (804) 764-7556
95	RELIABILITY AND MATAINABILITY DIRECTORATE, HQ AFLC AFALC/ERR Wright-Patterson AFB, OH 45433 (513) 255-4177, 2712
99	AFLC CASC (BATTLE CREEK), AFLC HQ CASC/CBRS (Specs and Stds Office) 74 N. Washington Avenue Battle Creek, MI 49017-3094 (616) 961-5731, 5660
9FTE-1	GSA-FSS (PAINTS AND CHEMICALS COMMODITY CENTER) Engineering Division GSA Center Auburn, WA 98001 (206) 931-7724
AC	DIRECTOR OF IS: COMMAND, CONTROL, COMMUNICATIONS AND COMPUTERS Headquarters, Department of the Army ATTN: SAIS-ADO Washington, DC 20310-0107 (202) 694-0515
ACO	DEPARTMENT OF TRANSPORTATION FAA Aeronautical Center, AAC-492 P.O. Box 25082 Oklahoma City, OK 73125-2741 (405) 686-2741
AE	See Code AR

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
AFS	DIRECTOR OF PROCUREMENT AND PROPERTY Forest Service, USDA, 706-RP-E P.O. Box 96090 Washington, DC 20090-6090 (703) 235-8007
AI	COMMANDER, US ARMY MATERIEL COMMAND ATTN: AMCIP-SS 5001 Eisenhower Avenue Alexandria, VA 22333-0001 (202) 274-9728
AJ	See Code AS
AK	See Code AR
AL	COMMANDER, US ARMY ARMAMENT, MUNITIONS & CHEMICAL COMMAND Armament Research and Development Center (ARDC) ATTN: SMCAR-EST-S Rock Island, IL 61299-7300 (309) 782-6678,6442
AM	COMMANDER, US ARMY MATERIEL COMMAND ATTN: AMCPD-SE 5001 Eisenhower Avenue Alexandria, VA 22333-0001 (202) 274-6748
APH	AGRICULTURE (USDA) Chief, Property and Safety Management Branch, ASD Agriculture Marketing Service, USDA Washington, DC 20250 (202) 447-7071
APM	Manager, Maintenance Engineering Program Program Engineering and Maintenance Service Room 510, FAA-APM-120 Department of Transportation 800 Independence Avenue, S.W. Washington, DC 20591-0001 (202) 366-3008

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TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
APS	ASSISTANT DEPUTY ADMINISTRATOR, COMMODITY OPERATIONS USDA/ASCS/DACO Room 3080 - South Building P.O. Box 2415 Washington, DC 20013-2415 (202) 447-3217
AR (sometimes AE, AK, MU)	COMMANDER, US ARMY ARMAMENT, MUNITIONS AND CHEMICAL COMMAND US Army Armament Research, Development and Engineering Center ATTN: SMCAR-BAC-S Picatinny Arsenal, NJ 07806-5000 (201) 724-6530,6662,6674
AS (sometimes AJ, AS1)	NAVAL AIR SYSTEMS COMMAND Commanding Officer, Naval Air Engineering Center Systems Engineering and Standardization Department (SESD) Code 53 ATTN: Mr. C. Meade Lakehurst, NJ 08733-5100 (201) 323-2326, 2621
AT	COMMANDER, US ARMY TANK-AUTOMOTIVE COMMAND ATTN: AMSTA-GDS Warren, MI 48397-5000 (313) 574-5500
ATF	CHIEF, ADMINISTRATION PROGRAM DIVISION Bureau of Alcohol, Tobacco and Firearms 12th and Pennsylvania Avenue, N.W. Washington, DC 20226 (202) 566-7641
AV	COMMANDER, US ARMY AVIATION SYSTEMS COMMAND ATTN: AMSAV-ELS 4300 Goodfellow Boulevard St. Louis, MO 63120-1798 (314) 263-1613,1614
BC	NAVY BROADCASTING SERVICE Office of the Chief of Naval Operations (ATTN: OP-007CD) 1420 Eads Street Arlington, VA 22202 (202) 692-6556, 6557, 6558

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
BLM	CHIEF, DIVISION OF ENGINEERING (730) Bureau of Land Management Department of the Interior 18th & "G" Sts., N.W. Washington, DC 20240 (202) 343-9435
BOP	ADMINISTRATOR OF FOOD SERVICES Federal Prison System 320 - 1st Street, N.W. Washington, DC 20534 (202) 724-3060
CB	EXECUTIVE DIRECTOR, ARMED FORCES CHAPLAINS BOARD Room 4C759, Pentagon Washington, DC 20301-4000 (202) 697-9015
CD	GENERAL MATERIEL AND PETROLEUM ACTIVITY Commander, USAGMPA, ATTN: STRGP-FT New Cumberland, PA 17070-5008 (717) 770-6445, 6053
CE	COMMANDER, U.S. ARMY ENGINEER DIVISION, HUNTSVILLE ATTN: CEHND-ED-ES P.O. Box 1600 Huntsville, Alabama 35807-4301 (205) 895-5270
CG	COMMANDANT, US COAST GUARD (G-ELM-2) Washington, DC 20593-0001 (202) 267-0662
CL	DOD COMPUTER ACQUISITION AND LOGISTIC SUPPORT CALS Policy Office ATTN: OASD (P&L) WS Room 2B322, Pentagon Washington, DC 20301-8000 (202) 697-0051
CR	COMMANDER, US ARMY COMMUNICATIONS ELECTRONICS COMMAND ATTN: AMSEL-ED-TO Fort Monmouth, NJ 07703-5000 (201) 532-5851, 5852, 5853, 5854

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
CS	COMMANDER, DEFENSE CONSTRUCTION SUPPLY CENTER ATTN: DCSC-SS Columbus, OH 43216-5000 (614) 238-4249, 4240, 2025, 2886
CT	COMMANDER, CLOTHING AND TEXTILE ITEMS OF SUPPLY ATTN: DPSC-FS 2800 South 20th Street Philadephia, PA 19101-8419 (215) 952-3015
CU	CDR, US ARMY COMMUNICATIONS ELECTRONICS ACTIVITY - VINT HILL ATTN: SELCE-SM-T Vint Hill Farms Station Warrenton, VA 22186-5141 (703) 347-6781
DC	DIRECTOR, DEFENSE COMMUNICATIONS AGENCY ATTN: R130 1860 Wiehle Avenue Reston, VA 22090-5500 (703) 437-2802
DCG	ASSOCIATE DIRECTOR FOR MATERIALS MANAGEMENT Administrative Department of Administration Services District of Columbia Government 613 "G" St., N.W., Room 1014 Washington, DC 20001 (202) 727-0252
DD	ADMINISTRATOR, DEFENSE TECHNICAL INFORMATION CENTER ATTN: DTIC-HDB Cameron Station Alexandria, VA 22304-6145 (202) 274-6804
DH	DIRECTOR, DEFENSE LOGISTICS AGENCY ATTN: DLA-SE Cameron Station Alexandria, VA 23304-6100 (202) 274-6775

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
DI	DIRECTOR, DEFENSE INTELLIGENCE AGENCY ATTN: Mr. James C. Moore, RSO-1 P.O.Box 46563 Washington, DC 20050-6563 (202) 373-2822
DM	COMMANDER, MEDICAL ITEMS OF SUPPLY ATTN: DPSC-RSTE 2800 South 20th Street Philadelphia, PA 19101-8419 (215) 952-2870, 4402
DO	DEFENSE QUALITY AND STANDARDIZATION OFFICE Chief, Technical Data Division Defense Data Management Office (DDMO) ATTN: Mr. Carl L. Berry, EXT. 2554 5203 Leesburg Pike, Suite 1403 Falls Church, VA 22041-3466 (703) 756-2554
DOE	DIRECTOR, MA-433 (PROPERTY AND EQUIPMENT MGMT. DIVISION) Procurement and Assistance Management Directorate Department of Energy Forrestal Building 1000 Independence Avenue, S.W. Washington, DC 20545 (202) 586-8254
DP	COMMANDER, DEFENSE PERSONNEL SUPPORT CENTER ATTN: DPSC-RSTE 2800 South 20th Street Philadelphia, PA 19101-8419 (215) 952-2870
DS	COMMANDER, FIELD COMMAND DEFENSE NUCLEAR AGENCY ATTN: FCIMC Kirtland AFB, NM 87115-5000 (505) 844-0376
EA	COMMANDER, USA CHEMICAL RD&E CENTER ATTN: SMCCR-SPD-TS Aberdeen Proving Ground, MD 21010-5423 (301) 671-3259,3230

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TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
EC	COMMANDER, SPACE AND NAVAL WARFARE SYSTEMS COMMAND (SPAWAR) Code 003-114 Washington, DC 20363-5100 (202) 692-3535
EM	DOD ELECTROMAGNETIC COMPATIBILITY ANALYSIS CENTER Director, DOD/ECAC ATTN: XMT North Severn Annapolis, MD 21402 (301) 267-2354
EPA	CHIEF OF PROPERTY & SUPPLY MGMT. SECTION General Services Branch, NE-030 Environmental Protection Agency Washington, DC 20460
ER	COMMANDER, US ARMY LABORATORY COMMAND Reliability, Logistics and Standardization Division ATTN: SLCET-R-S Fort Monmouth, NJ 07703-5000 (201) 544-3441,3148
ES	COMMANDER, DEFENSE ELECTRONICS SUPPLY CENTER ATTN: DESC-ES 1507 Wilmington Pike Dayton, OH 45444-5000 (513) 296-5111
ET	DIRECTOR, US ARMY MANAGEMENT COLLEGE Associate for Project and Plans ATTN: AMXOM-AP Rock Island, IL 61299-7040 (309) 782-4041 EXT. 230
FAA	CHIEF, RELIABILITY ENGINEERING SECTION FAA-ARD-432 Department of Transportation Washington, DC 20591-0001 (202) 366-3585
FCAE	GSA-FSS (AUTOMOTIVE COMMODITY CENTER) Engineering Division FCAE Washington, DC 20406-0001 (703) 557-0967

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TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
FCET	GSA-FSS (TOOLS COMMODITY CENTER) Engineering Division FCET Washington, DC 20406-0001 (703) 557-9110
FCGC	GSA-FSS (OFFICE AND SCIENTIFIC EQUIPMENT COMMODITY CENTER) Engineering Division FCGC Washington, DC 20406-0001 (703) 557-0536
FCNE	GSA-FSS (FURNITURE COMMODITY CENTER) Engineering Division FCNE Washington, DC 20406-0001 (703) 557-8450
FCOE	GSA-FSS (OPERATION MANAGEMENT DIVISION) Engineering Policy Branch (FCOE) Washington, DC 20406-0001 (703) 557-0947
FDA	DIRECTOR, MEDICAL PRODUCTS QUALITY ASSURANCE STAFF Food and Drug Administration (HHS) 5600 Fishers Lane Rockville, MD 20857-1706 (301) 443-3590
FEC	DEPUTY DIRECTOR TECHNICAL SERVICES Office of Facilities Engineering, HHS 300 Independence Avenue, S.W., Rm. 4618 Washington, DC 20201 (202) 245-1900
FGI	DIRECTOR, FIELD MANAGEMENT DIVISION Federal Grain Inspection Service, USDA P.O. Box 96454 Washington, DC 20090-6454 (202) 382-0228
FPI	DIVISION MANAGER, FEDERAL PRISON INDUSTRIES, INC. Textiles Products Division US Penitentiary Atlanta, GA 30315 (404) 622-0164

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
FSS	GSA-FSS (OPERATION MANAGEMENT DIVISION) Engineering Policy Branch (FCOE) Washington, DC 20406-0001 (703) 557-1930
FV	HEAD, FOOD QUALITY ASSURANCE STAFF USDA/AMS/FV, Room 0610-South Building P.O. Box 96456 Washington, DC 20090-6456 (202) 475-4939
GES	CHIEF, SUPPLY MANAGEMENT SECTION US Geological Survey, M.S. 231 Department of the Interior 12201 Sunrise Valley Drive Reston, VA 22092-7204 (703) 648-7204
GL	COMMANDER, US ARMY NATICK RD&E CENTER ATTN: STRNC-EMS Natick, MA 01760-5014 (617) 651-5221
GPO	MANAGER, QUALITY CONTROL AND TECHNICAL DEPARTMENT (STOP-OC) US Government Printing Office North Capitol & "H" Sts., N.W. Washington, DC 20401 (202) 275-2873
GS	COMMANDER, DEFENSE GENERAL SUPPLY CENTER ATTN: DGSC-SSM EXT. 4095 Richmond, VA 23297-5000 (804) 275-3330
HGP	CHIEF, SUPPLY MANAGEMENT BRANCH (HGPS) Office of Public Housing, HUD Washington, DC 20410 (202) 755-5840
HP	DEPUTY DIRECTOR FOR EQUAL OPPORTUNITY POLICY (Handicapped Individuals Program) ODASD(CPP), OASD(FM&P) Room 3A272, Pentagon Washington, DC 20301-4000

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
HSM	QUALITY INSPECTION SPECIALIST Department of Health & Human Services (HHS) HSA, Supply Service Center Perry Point, MD 21902 (301) 642-2244
HSRS	DIRECTOR, OFFICE OF MANUFACTURED HOUSING AND REGULATORY FUNCTION Manufactured Housing and Construction Standards Division DAS for Single Family Housing Department of Housing and Urban Development Washington, DC 20410 (202) 755-6590
IH	DIRECTOR, THE INSTITUTE OF HERALDRY, US ARMY ATTN: DAPC-PDH-T Cameron Station, Building 15 Alexandria, VA 22304-5050 (202) 274-6636, 7038
IHS	CHIEF, NUTRITION AND DIETETICS BRANCH Indian Health Services 5600 Fishers Lane, Room 5A10 Rockville, MD 20857-1114 (301) 443-1114
INV	Invalid reference in data base
IP	COMMANDER, DEFENSE INDUSTRIAL PLANT EQUIPMENT CENTER ATTN: DIPEC-SS Memphis, TN 38114-5051 (901) 775-6456
IQ	DEFENSE QUALITY AND STANDARDIZATION OFFICE Chief, Quality and Industrial Productivity Division ATTN: Mr Gordon Frank, EXT 2320 5203 Leesburg Pike, Suite 1403 Falls Church, VA 22041-3466 (703) 756-2320
IR	DIRECTOR, POLICIES AND STANDARDS ODASD (C) IRM Room 1C535, Pentagon Washington, DC 20301-1100 (202) 695-2554

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
IS	COMMANDER, DEFENSE INDUSTRIAL SUPPLY CENTER 700 Robbins Avenue Philadelphia, PA 19111-5096 (215) 697-3001
JFK	CHIEF, SUPPLY BRANCH John F. Kennedy Space Center, NASA ATTN: SI-SAT-1 Kennedy Space Center, FL 32899 (305) 867-3493
JH	See Code SH
JMD	INFORMATION PROCESSING STANDARDS ADMINISTRATOR US Department of Justice Room 5131, CAB Washington, DC 20530 (202) 633-4318
JT	JOINT TACTICAL COMMAND, AND COMMUNICATIONS AGENCY ATTN: C3A-ADW-S 11440 Issac Newton Square, North, Suite 210 Reston, VA 22090-5006 (703) 487-8015
KMPS	INFORMATION RESOURCES MANAGEMENT SERVICE STANDARDS BRANCH (KMPS) General Services Administration 18th & "F Sts. N.W., Room 3308 Washington, DC 20405 (202) 566-1180
LM	COMMANDER, US ARMY LOGISTICS MANAGEMENT COLLEGE ATTN: AMXMC-ACM-MA Fort Lee, VA 23801-6048 (804) 734-4592
LRC	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION Chief, Logistics Management Division, Mail Stop 21-3 Lewis Research Center Cleveland, OH 44135 (216) 433-4000 EXT.249

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
LS	COMMANDER, DEFENSE LOGISTICS SERVICES CENTER ATTN: DLSC-FE Federal Center Battle Creek, MI 49017-3084 (616) 961-4465
MB	STAFF DIRECTOR, DEFENSE MEDICAL STANDARDIZATION BOARD Fort Detrick Frederick, MD 21701 (301) 663-2001
MC	COMMANDING GENERAL, MARINE CORPS RESEARCH, DEVELOPMENT, AND ACQUISITION COMMAND Code PSE-C Washington, DC 20380-0001 (202) 694-2606, 1341
MD	OFFICE OF THE SURGEON GENERAL (Army) HQDA (DASG-HCL) *Washington, DC 20310-2300* (202) 697-8286
ME	COMMANDER, USA BELVOIR RD&E CENTER ATTN: STRBE-TSE Fort Belvoir, VA 22060-5606 (703) 664-5306, 5717
MI	COMMANDER, US ARMY MISSILE COMMAND ATTN: AMSMI-RD-SE-TD-ST Redstone Arsenal, AL 35898-5270 (205) 876-2934
MIN	BUREAU OF MINES, DEPARTMENT OF THE INTERIOR Pittsburgh Research Center Cochrans Mill Road/Post Office Box 18070 Pittsburgh, PA 15236-8070 (412) 892-6622
MP	DIRECTOR, DEFENSE MAPPING AGENCY Building 56, US Naval Observatory ATTN: Rueben D. Cook (PRS) Washington, DC 20305-3000 (202) 653-1489

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
MR	DIRECTOR, USALC MATERIALS TECHNOLOGY LABORATORY ATTN: SLCMT-MEE Watertown, MA 02172-0001 (617) 923-5286, 5266
MS	COMMANDING OFFICER, NAVAL MEDICAL MATERIEL SUPPORT COMMAND MEDCOM 422 Fort Detrick Frederick, MD 21701-5015 (301) 663-7247
MSF	AERONAUTICS AND SPACE ADMINISTRATION (NASA) Systems Engineer, MSFC Specifications Program, Code EL03 George C. Marshall Space Flight Center Huntsville, AL 35812 (205) 453-4577
MT	COMMANDER, MTMC TRANSPORTATION ENGINEERING AGENCY ATTN: MTT-TR P.O. Box 6276 Newport News, VA 23606-0276 (804) 599-1106, 1107
MU	See Code AR
NA	NASA HEADQUARTERS Reliability, Maintainability, and Quality Assurance Division (DR) Washington, DC 20546 (202) 453-2633
NC	OFFICE OF THE CHIEF OF NAVAL OPERATIONS Communications Plans & Policy Branch (OP-941C) Washington, DC 20350 (202) 695-7589
NCS	NATIONAL COMMUNICATIONS SYSTEMS Office of the Manager (NCS-TS) Washington, DC 20305-2010 (202) 692-2124
ND	OFFICE OF THE CHIEF OF NAVAL OPERATIONS Information Systems and Technology Branch (OP-162F) Washington, DC 20350 (202) 694-1135, 1136

Note: The IHS data base is sometimes inconsistent in its coding. For instance, Code 20 is sometimes used instead of Code 11 for the Wright Aeronautics Laboratory. Where possible, we have identified these codes.

TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
NHT	CHIEF, CRASH AVOIDANCE DIVISION, ROOM 5307J National Highway Traffic Safety Adm. Department of Transportation Washington, DC 20590-0001 (202) 366-2720
NI	CHIEF OF NAVAL OPERATIONS ATTN: OP-731 Washington, DC 20350 (202) 696-5077, 5080, 5081
NIH	CHIEF, STANDARDS AND SPECIFICATIONS SECTION Building 31, Room 3B58 National Institute of Health, HHS Bethesda, MD 20892 (301) 496-4814
NIST	MANAGER, NATL CTR FOR STANDARDS AND CERTIFICATION INFORMATION National Institute of Standards and Technology Adm. Building 101, Room A629 Gaithersburg, MD 20899 (202, 301) 975-4037
NM	NAVY DEPARTMENTAL STANDARDIZATION OFFICE (DEPSO) Commander, Naval Sea Systems Command ATTN: SEA 55Z3-NM Washington, DC 20362-5101 (202) 692-0160, 0161
NMF	CHIEF, STANDARDS UNIT U.S. Department of Commerce, NOAA National Marine Fisheries Service 28 Emerson Avenue Gloucester, MA 01930 (617) 281-3600, Ext. 285
NO	COMMANDER, NAVAL OCEANOGRAPHIC OFFICE Supply Support Section (Code SUMS) Bay St. Louis NSTL, MS 39522-5001 (601) 688-4026

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TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
NPPO	NATIONAL AERONAUTICS & SPACE ADMINISTRATION NASA/Parts Project Office (NPPO) NASA Goddard Space Flight Center Code 311.A Greenbelt, MD 20771 (301) 286-8884
NS	NATIONAL SECURITY AGENCY Director National Security Agency (ATTN: Code T2137) Fort George G. Meade, MD 20755-6000 (301) 859-6003
NU	NAVY CLOTHING & TEXTILE RESEARCH FACILITY Officer in Charge Navy Clothing & Textile Research Facility (Code 50) 21 Strathmore Road Natick, MA 01760 (617) 651-4172
NV	CHIEF OF NAVAL OPERATIONS (OP-09BP) Chief of Naval Operations ATTN: OP-09BP12 Washington, DC 20350 (202) 433-4092
OAP	TREASURY Assistant Director (Property Management) Office of Administrative Programs Treasury Department 1331 "G" Street, N.W., Room 800 Washington, DC 20220 (202)376-0402
OM	NAVAL DATA AUTOMATION COMMAND Commander, Naval Data Automation Command (NAVDAC-14), Mr. Paul M. Robinson Washington Navy Yard, Building 166 Washington, DC 20374-1662 (202)433-4452
OS	NAVAL SEA SYSTEMS COMMAND (ORDINANCE SYSTEMS) Commanding Officer, Naval Ordinance Station Standardization Branch (Code 3730) Indian Head, MD 20640-5000 (301)743-4250

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TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
OSS	VETERANS ADMINISTRATION Chief, Technical & Stds. Division (92A) Veterans Administration 810 Vermont Avenue, N.W. Washington, DC 20420-0002 (202)233-4317
OST	TRANSPORTATION Manager, ADP Technology Center (M-32) Office of the Secretary of Transportation Department of Transportation 400 7th Street, SW Washington, DC 20590-0001 (202)366-9717
PE	OFFICE OF THE CHIEF OF NAVAL OPERATIONS (OP-09G) Chief of Chaplains/Director of Religious Ministries (ATTN: OP-972F) Washington, DC 20350-2000 (202)694-4438
PLD	GENERAL SERVICES ADMINISTRATION (GSA) Office of Facility Planning General Services Administration Public Building Service 18th & "F" Sts. N.W., Room 3308 Washington, DC 20405-0001 (202) 523-5325
PM	ARMED FORCES PEST MANAGEMENT BOARD (AFPMB) Executive Director Armed Forces Pest Management Board (AFPMB) Forest Glen Section, WRAMC Washington, DC 20307-5001 (202) 427-5191
PMP	GENERAL SERVICES ADMINISTRATION Program, Performance and Analysis Division General Services Administration Public Building Service 18th and "F" Sts. N.W. Washington, DC 20405-0001 POC: Larry Greeny (202) 566-1565

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TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
POS	POSTAL SERVICE General Manager Procurement Technical Support Division Procurement and Supply Department, Room 4020 US Postal Service Headquarters, North Bldg. Washington, DC 20260-6202 POC: Terry Crawford (202) 268-2100
PS	DEFENSE FUEL SUPPLY CENTER Commander, Defense Fuel Supply Center ATTN: DFSC-QSS Cameron Station Alexandria, VA 22304-6160 (202) 274-7500
SA	NAVAL SUPPLY SYSTEMS COMMAND Commander Naval Supply Systems Command Washington, DC 20376 (202) 692-5300
SC	INFORMATION SYSTEMS COMMAND Commander US Army Information Systems Engineering and Integration Center ATTN: ASBI-SST Fort Huachuca, AZ 85613-7300 (602) 538-6614
SCS	AGRICULTURE (USDA) Director, Administrative Services Soil Conservation Service, USDA P.O. Box 2890 Washington, DC 20590-2890 (202) 447-5111
SD1	Preparing activity code is not on IHS master list
SH	NAVAL SEA SYSTEMS COMMAND (SHIP SYSTEMS) Commander, Naval Sea Systems Command (SEA 55Z3) DOD Standardization Program and Documents Division Department of the Navy Washington, DC 20362-5101 (202) 692-0160

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TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
SM	AMC PACKAGING, STORAGE AND CONTAINERIZATION CENTER Director AMC Packaging, Storage and Containerization Center ATTN: SDSTO-TE-S Tobyhanna, PA 18466-5097 (717) 894-7115
SO	DEFENSE QUALITY AND STANDARDIZATION OFFICE Chief, Standardization Division Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403 Falls Church, VA 22041-3466 Mr. Andrew D. Certo, EXT. 2340 (703) 756-2340
SS	DEFENSE PERSONNEL SUPPORT CENTER Commander, Subsistence Items of Supply ATTN: DPSC-HS 2800 South 20th Street Philadephia, PA 19101-8419 (215) 952-4435
SSA	HEALTH AND HUMAN SERVICES Chief of Supply Management Branch (OMBP) Social Security Administration, HHS Division of Property Management, Supply Building 6301 Security Boulevard, Room 206 Baltimore, MD 21235 (301) 594-0240
TD	NAVAL TRAINING SYSTEMS CENTER Commanding Officer Naval Training Systems Center (ATTN: Code 4323) 12350 Research Parkway Orlando, FL. 32826-3224 (407) 380-4863
TE	TEST AND EVALUATION COMMAND Commander, US Army Test and Evaluation Command ATTN: AMSTE-TC-M Aberdeen Proving Ground, MD 21005-5055 (301) 278-2170

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TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
TEC	LABOR Office of Federal Agency Programs Department of Labor, Rm. N3476 (TEC/FAP) 3rd and Constitution Avenue, N.W. Washington, DC 20310 (202) 523-7251
TM	AMC MATERIEL READINESS SUPPORT ACTIVITY Commander, US AMC Materiel Readiness Support Activity ATTN: AMXMD-MP (TMSS) Lexington, KY 40511-5101 (606) 293-3469
TS	TROOP SUPPORT AGENCY Commander US Army Troop Support Agency ATTN: DALO-TAF-S Fort Lee, VA 23801 (804) 734-4147
TVA	TENNESSEE VALLEY AUTHORITY Chief, Policy and Coordination Branch 228 Multipurpose Building Tennessee Valley Authority Muscle Shoals, AL 35660 (205) 386-2893
USPS	POSTAL SERVICE General Manager, Procurement Technical Support Division Procurement and Supply Department, US Postal Service Headquarters, North Bldg. 475 L'Enfant Plaza, SW Washington, DC 20260-6202 (202) 268-2100
VOC	VETERANS ADMINISTRATION Director, Architectural Support Service Office of Construction, Code 088B3 Veterans Administration 810 Vermont Avenue, N.W. Washington, DC 20420-0002 (202) 389-2688

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TABLE E-1

PREPARING ACTIVITY CODES USED IN THE DATA BASE (Continued)

Code	Activity
WS	OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE (PRODUCTION & LOGISTICS) Defense Systems and Plans Office, Suite 306 5109 Leesburg Pike Falls Church, VA 22041-3466 (703) 756-8420
YD	NAVAL FACILITIES ENGINEERING COMMAND Commanding Officer Naval Construction Battalion Center (Code 156) Port Hueneme, CA 93043-5000 (805) 982-3361 EXT.403
ZZZ	Data base error encountered with this reference

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